

6	27364	92836	89428	61268	71282	36198	32764	31277	
86	48932	78987	32123	49817	26346	81287	65491	87364	8
721	75654	55656	12737	72727	72727	91918	63473	67867	7
723	87629	37677	32612	53498	71296	28756	18276	98716	87
269	76329	74698	76857	98678	27681	56781	57681	73648	1
1	87364	87265	96718	27638	12673	84769	28743	98127	2
8	63298	75698	27465	87326	49876	28376	81273	98615	
7	87432	74328	78674	29867	32867	67867	86786	43286	80
17	68768	68763	34234	34238	68768	62342	48273	48768	2
26	98432	32432	86743	43286	43286	43286	43286	43286	48
43	86743	86743	39867	32867	86743	43286	43286	43243	86
1	86743	86743	86743	86743	86743	86743	86743	86743	2
99	98798	98754	98754	98754	98754	29867	67543	67986	8
10	87698	69876	87698	69876	87612	12341	34867	86798	6
	43298	65656	56756	56123	32143	14321	32143	14321	30
	58765	58765	76587	58765	76587	58765	76587	58756	24

# *Numbers & Oddities*

## *a.k.a. The Spooks Newsletter*

### *Edition #240, September 2017*

Editor: Ary Boender email: [udxf@udxf.nl](mailto:udxf@udxf.nl)  
 Numbers & Oddities <http://www.numbersoddities.nl>

"Numbers & Oddities" a.k.a. the "Spooks Newsletter" is a newsletter for the members of the Utility DXers Forum (UDXF), the Spooks mailing list, HF Underground and everyone else who is interested in Numbers Stations.

"Numbers & Oddities" covers the fascinating world of Numbers Stations and other odd radio signals on shortwave.



## FOREWORD

Recently I found an interesting website that also covers the Asian numbers stations, including recent logs and schedules. Too bad that I didn't find it earlier ☺ <http://radio.chobi.net/DX/>

Two other sources for schedulers are Enigma (in the newsletters) and the online schedules on Priyom.org

Thanks for keeping track of the schedules guys. You are doing a great job !

Lots of unid digital systems were found and we believe that they belong to the E11 family. For more info see the Digital Modes section.

An interesting event was held on 30 September and 1 October in Gorinchem, The Netherlands.

Between 1955 and 1967 Dutch Military Intelligence had an eavesdropping station in Gorinchem. It was called De Luisterpost. It was used to eavesdrop on the Russians. Now 50 years later De Luisterpost was once again equipped with radio's, decoders and other equipment that was used back then. I never saw so many Racal's in one place ☺ During the event the operators transmitted 5-figure group messages in CW on shortwave while interceptors had to find the signal. Special event HAM station PA898BAT was on the air as well. The callsign was a tribute to the 898 VbdBat/RadCie- 898 Verbindingsbataljon / Radio Compagnie (898th Signal Battalion / Radio Company) which was a former Dutch SIGINT Battalion.



De Luisterpost. Picture by Ary Boender ©





Picture by Ary Boender ©



Picture by Marc van Gerwen ©





Picture by Marc van Gerwen ©



De Luisterpost. Picture by Ary Boender ©

## VOICE STATIONS

### E06

Pierre found a new E06 schedule. It uses ID 537, transmits over the Pacific area every Monday at 0210z and repeats at 0310z, messages repeating again on Tuesday at the same times. Frequencies for September are 11426 kHz and 14477 kHz.

#### **11426 kHz, 18-09, 0210 UTC / 14477 kHz, 18-09, 0310 UTC**

537 489 36  
77590 87571 43672 25101 11594 39462 74120 40421 44121 84364  
23154 74096 84627 95512 61694 79541 69213 73489 68127 01000  
55680 65292 42355 37567 12446 52630 66046 38190 62235 14152  
32513 44793 66503 91281 94652 25745  
489 36 00000

#### **16174 kHz, 02-09/03-09, 1100 UTC / 14855 kHz, 02-09/03-09, 1200 UTC, E06 instead of F06**

832 597 42  
38909 99078 96903 40530 95076 83683 51196 63673 33124 40164  
74902 82228 39593 00962 84253 30960 01096 61183 27262 43873  
25447 76449 03601 77186 36320 81115 37797 77586 14825 99457  
66099 28340 37559 93154 35164 21824 17829 32006 48301 28476  
43457 11239  
597 42 00000

#### **5186 kHz, 07-09/21-09, 2030 UTC**

891 134 57  
69834 91020 28974 71856 74832 89648 73282 64825 48142 73848  
36457 38491 82713 43143 65689 28756 42351 73145 32424 67857  
83273 56425 34245 23246 76879 87435 28184 61547 93671 75364  
72825 34732 53426 47589 73647 58326 15264 37485 63542 43557  
64536 47586 76453 45684 65783 74859 82736 47382 74651 27631  
72361 74827 36452 35263 72813 26743 84732  
134 57 00000

07-09: ends with "89" followed by Windows shut down sound

21-09: ends with Windows shut down sound

#### **13934/10453 kHz, 14-09/15-09, 1830/1930 UTC**

836 104 25  
22186 26644 55635 48583 50671 59779 83356 39890 83111 63521  
19833 61390 37653 28775 95441 19235 91422 47978 81429 89956  
03515 73813 02219 75706 59961  
104 25 00000

#### **16174 kHz, 16-09/17-09, 1100 UTC / 14855 kHz, 16-09/17-09, 1200 UTC, E06 instead of F06**

**Triple timestamp: Friday, September 15, 2017, 1420 MSK**

832 109 48  
15739 89082 96903 40530 72806 73697 51196 63673 10954 30178  
74902 82228 83749 48869 58213 74925 30740 58957 59833 65334  
62407 31019 00303 89335 40262 55914 66687 56719 00601 43473  
66038 55749 00992 09390 06784 83920 65921 94619 62351 30091  
61024 15161 42374 55429 66702 29248 91059 19258  
109 48 00000

**16265 kHz, 22-09, 0600 UTC**

354 912 56  
06054 71309 73625 01924 34763 19383 88086 02027 60887 11155  
18228 36785 93105 55309 08913 12712 50002 49825 50298 56937  
23933 15047 11960 31576 71643 40535 45867 92342 26076 37860  
19136 96089 52816 16558 62514 86957 99590 25398 45519 15827  
12282 26189 14175 72758 15876 92277 52288 37108 83796 48953  
52191 75010 44045 97924 05901 15789  
912 56 00000

**E07****9064/10264/11464 kHz, 02-09/03-09/09-09/10-09/16-09/17-09/23-09/24-09, 0600/0620/0640 UTC**

024 024 024 1 830 27 830 27  
94042 06490 80406 92318 34904 28115 50448 04113 07094 22636  
44930 66114 44955 70909 06347 80406 96373 14003 84066 51961  
21440 77280 10211 77853 81632 05708 73698 000 000

**14584/13384/11584 kHz, 04-09/06-09, 1900/1920/1940 UTC**

535 535 535 1 678 83 678 83  
50183 98199 52060 27839 62809 32794 00144 95518 39123 62895  
01175 14945 83584 90212 39710 16717 92883 86227 85297 00351  
16562 79124 97565 91766 59936 63114 83975 89250 45480 49992  
09720 10046 25845 58587 63693 43661 12331 13242 83385 22369  
98201 23872 91876 79947 26444 16401 24356 82452 51350 29669  
58506 18605 59270 04509 62286 94192 12581 41695 71040 77126  
87446 63966 44792 56311 84005 31688 51312 03013 81675 16612  
34886 49676 58558 29473 82140 82148 34400 13979 71929 84893  
18042 30120 42185 000 000

**9389/7528/5886 kHz, 07-09, 2010/2030/2050 UTC (very poor conditions)**

358 358 358 1 239 37 239 37  
0x243 08203 29322 08696 11036 17242 92143 90990 37780 09550  
20177 99904 07476 21x05 25329 72433 23794 0867x 76482 11613  
83665 17170 30xx8 35468 01043 78428 x8048 59403 33552 81818  
8905x 83883 99113 39xx5 75515 20545 71274 000 000

**14584/13384/11584 kHz, 11-09/13-09, 1900/1920/1940 UTC**

535 535 535 1 922 97 922 97  
57940 65537 58044 88465 69367 55126 45936 70002 43509 36595  
19075 79411 86494 95045 62924 79639 99000 40139 83450 57440  
94116 14630 83646 09050 44653 77674 38720 95277 15215 61529  
27415 40962 68999 92694 30531 65327 06707 97060 85417 29257  
86303 48104 92508 99549 11632 33968 39352 72402 85963 48295  
96347 89707 68692 61318 75965 92617 92080 71848 98192 68185  
46144 79981 96801 71726 17475 99661 82071 30587 13560 04879  
09439 55691 23217 76704 83826 12740 09481 28123 21799 38897  
45793 43263 31092 78617 42499 71260 29545 47269 72716 93455  
51215 33521 40892 49887 90523 84575 02192 000 000

**13527/12227/10627 kHz, 17-09/20-09, 1700/1720/1740 UTC**

526 526 526 1 166 75 166 75  
53779 28363 64337 63025 01846 86686 27641 02679 42658 14260  
68377 07846 71138 53910 44026 17679 77209 13344 04889 90764  
16947 22385 76204 79723 04419 34118 25108 74827 25034 90092  
07548 71831 31713 41511 53239 26696 29233 69674 67508 67920  
00995 95944 30608 57137 24336 71148 26701 05937 54613 90950  
90231 98804 03962 12571 44995 60411 55880 09425 14481 88661  
57832 88245 40689 23155 60742 99194 38389 28225 05523 72370  
32234 91614 52794 53085 23794 000 000



**14584/13384/11584 kHz, 18-09/20-09, 1900/1920/1940 UTC**

535 535 535 1 297 112 297 112

04760 79631 54290 13379 40091 48109 21652 03862 47446 09912  
85779 84734 10999 63507 01756 29547 79932 48786 00382 59609  
10956 50030 75400 15503 14388 60692 05111 25879 81080 27477  
53835 53871 92254 46555 02306 37962 75980 68969 19940 26625  
28132 72252 35386 26825 66415 33889 15981 61966 70068 54160  
12150 54642 09993 59345 30364 66091 10369 45389 51810 41072  
12424 24139 42499 28084 93255 78043 20434 25582 83303 76863  
11089 45361 41917 19776 32385 04615 99383 25097 16106 58977  
94474 95641 93099 99355 14895 09739 24671 17820 21730 20488  
06667 47172 27498 93187 71775 54328 73334 61073 86017 73327  
54246 25034 10863 45753 48411 49312 91766 95590 02901 30656  
96301 55209 000 000

**18438/16338/14938 kHz, 19-09/22-09, 1100/1120/1140 UTC**

439 439 439 1 7843 57 7843 57

15326 30679 32290 23381 47602 09984 13936 98067 66682 99220  
36572 65340 23769 27637 86888 13859 30822 06622 87626 66975  
46742 71742 56930 72681 10522 19605 40302 87152 36167 44085  
54462 29008 04926 57495 77562 04379 45929 40779 50456 16177  
00741 86258 78946 35650 71388 22285 43668 49828 67731 92976  
81754 24429 55848 05024 79310 08387 45687 000 000

**13527/12227/10627 kHz, 24-09/27-09, 1700/1720/1740 UTC**

526 526 526 1 738 78 738 78

20138 83825 33072 28375 93215 68017 46514 80340 01123 02259  
35281 56050 14560 16901 94315 36418 96471 84940 55899 58091  
00357 07421 42510 29227 26784 88492 87527 61031 59591 26140  
49764 05897 15093 66346 70767 57315 34844 64799 65826 11670  
47459 66924 34193 72016 63438 76201 73315 14298 13352 62219  
14703 46511 44775 06772 48106 32310 59567 85616 78109 34041  
86168 55989 41690 61407 92716 15163 32745 94070 43302 36545  
90592 41356 51997 95602 73269 86600 96800 08741 000 000

**9387/7526/5884 kHz, 28-09, 2010/2030/2050 UTC**

358 358 358 1 149 64 149 64

43527 34152 14132 07268 51913 48942 72714 27945 25184 72058  
29808 83752 02212 43939 91704 14179 00420 01966 52466 10768  
91399 23140 18598 29292 70762 73811 01789 32912 49696 77627  
92642 41734 02389 34100 90617 54842 33482 31338 34266 74678  
66898 11285 15476 48887 11752 98926 40133 04044 66455 33292  
80207 37724 96207 27444 10246 63844 95329 10490 53475 76429  
88849 20471 53343 07686 000 000

**9064/10264/11464 kHz, 30-09, 0600/0620/0640 UTC**

024 024 024 725 85 725 85

08354 39836 44599 76508 96293 82603 03431 98736 64471 50700  
98281 45997 07340 92932 05964 31163 92975 69157 49569 27361  
66096 69820 10932 52305 58408 87558 42880 45573 15696 36414  
86741 59551 79276 53161 80665 69316 64522 52526 12801 33881  
52290 08719 50029 19225 82079 68533 50506 05530 32380 72302  
87454 99168 69345 48808 06341 01842 07039 90628 43461 32005  
53132 19248 51972 89412 51817 27356 17188 53179 70008 10212  
83296 02050 49245 87954 14488 10042 43393 93936 83534 36291  
72790 79774 46550 21865 01778 000 000

## **E07a**

### **8144/6944/5744 kHz, 06-09/13-09, 2000/2020/2040 UTC**

197 197 197 1 30197 261 53 261 53  
26677 21885 75718 68807 71181 16656 54350 33071 58140 15548  
30190 30664 18845 12293 10769 53246 29673 74730 00987 57755  
23991 45079 07379 75300 61451 71008 78503 09560 14285 91623  
84527 29533 06894 94647 35772 82364 03052 80523 85754 51054  
12563 72315 05391 76949 99772 79798 41988 56264 82577 24002  
72198 83225 27391 000 000

### **6788/7488/8188 kHz, 07-09, 0430/0450/0510 UTC**

741 741 741 1 30197 261 53 261 53  
26677 21885 75718 68807 71181 16656 54350 33071 58140 15548  
30190 30664 18845 12293 10769 53246 29673 74730 00987 57755  
23991 45079 07379 75300 61451 71008 78503 09560 14285 91623  
84527 29533 06894 94647 35772 82364 03052 80523 85754 51054  
12563 72315 05391 76949 99772 79798 41988 56264 82577 24002  
72198 83225 27391 000 000

### **8144/6944/5744 kHz, 27-09, 2000/2020/2040 UTC**

197 197 197 1 38885 6885 43 6885 43  
68876 94199 14229 91122 29858 05383 03836 32885 51117 31424  
71096 26973 35844 90041 25079 27930 70071 26795 07916 42631  
01803 65443 78515 79659 60326 54610 74746 34359 12818 28785  
51079 19329 74968 42403 97157 21297 76964 82256 70600 22847  
57040 79724 74454 000 000

### **6788/7488/8188 kHz, 28-09, 0430/0450/0510 UTC**

741 741 741 1 38885 6885 43 6885 43  
68876 94199 14229 91122 29858 05383 03836 32885 51117 31424  
71096 26973 35844 90041 25079 27930 70071 26795 07916 42631  
01803 65443 78515 79659 60326 54610 74746 34359 12818 28785  
51079 19329 74968 42403 97157 21297 76964 82256 70600 22847  
57040 79724 74454 000 000

## **E11a**

### **8530 kHz, 01-09/03-09, 1910 UTC**

611/33 Attention  
03969 61144 40656 85935 23104 26931 12590 70704 12479 45509  
06337 60750 49964 34404 83294 02043 04033 30720 13283 65129  
12664 15150 60162 34544 99305 51369 73160 15014 39698 14212  
07835 04177 94048  
Attention, rpt msg, out

### **5371 kHz, 04-09, 0450 UTC**

413/37 Attention  
65151 14104 05793 20922 90458 07347 91986 38106 35361 49835  
37734 24396 29435 62901 73654 70620 74598 30338 92871 17646  
22906 58693 55997 48449 26769 67959 44032 56110 84590 37164  
96575 04368 73378 05321 99983 38619 29484  
Attention, rpt msg, out



**10286 kHz, 04-09, 1225 UTC**

521/35 Attention

59460 59157 83327 51323 42685 71480 24292 57795 26807 87269  
58844 77122 57408 92058 95496 02356 46686 04486 75690 44948  
45885 20526 99384 14294 64448 99783 17693 99217 65435 78273  
27120 74672 91929 06472 12136

Attention, rpt msg, out

**10246 kHz, 05-09/07-09, 0845 UTC**

156/23 Attention

19690 61648 43933 38739 22081 60594 39745 83606 53126 01812  
35039 22373 69939 78470 95794 94181 19993 19916 19385 81319  
68839 22551 24881

Attention, rpt msg, out

**7727 kHz, 05-09, 1205 UTC**

467/41 Attention

44174 10032 09351 50883 49427 24089 18028 30383 15543 56335  
86941 51841 59494 48307 55199 24209 40312 59324 58353 07135  
15924 78775 74777 97313 81897 13793 39207 69120 75595 26970  
87559 09574 02949 51090 79401 01129 98527 66954 52751 87498  
64944

Attention, rpt msg, out

**10800 kHz, 05-09, 1645UTC**

332/34 Attention

10340 55665 30365 35041 74100 60200 77308 59891 26072 82645  
73583 94306 83097 00758 53435 87458 94153 17895 10918 34185  
50946 25330 52089 60438 86164 19924 53869 39750 49129 45934  
02300 33810 93653 04866

Attention, rpt msg, out

**12530 kHz, 06-09, 0820 UTC (very poor conditions)**

131/31 Attention

02446 67943 03898 96221 30111 88296 20356 67956 37753 73662  
92128 48079 02496 80571 12037 60896 51599 58761 87069 15607  
89473 57155 26919 xx719 96272 79857 56648 58845 69120 80229  
x2118

Attention, rpt msg, out

**10448 kHz, 06-09/10-09, 1625 UTC**

978/39 Attention

67125 62890 65559 65304 89211 46876 24989 42300 20125 90101  
64658 77164 50021 26198 04084 77253 48662 99070 17870 58881  
19324 22201 79347 21736 61997 02939 59879 45591 41240 68720  
53655 93768 71438 59391 30454 50878 13787 28583 03210

Attention, rpt msg, out

**6807 kHz, 07-09, 0930 UTC**

270/38 Attention

49677 27635 24901 19329 30194 04130 47111 17615 38908 14508  
05543 81310 42370 28699 03613 61903 58791 95708 61476 00131  
45719 11401 17616 53737 13837 55305 57160 57522 53888 05935  
03951 12351 95275 73808 71231 64084 83109 65190

Attention, rpt msg, out

**7864 kHz, 04-09/07-09, 1730 UTC**

413/37 Attention

65151 14104 05793 20922 90458 07347 91986 38106 35361 49835  
37734 24396 29435 62901 73654 70620 74598 30338 92871 17646  
22906 58693 55997 48449 26769 67959 44032 56110 84590 37164  
96575 04368 73378 05321 99983 38619 29484

Attention, rpt msg, out

**12153 kHz, 11-09/13-09, 0645 UTC**

948/31 Attention

67266 05440 58048 02067 65600 30025 55485 66022 05231 89325  
55827 03039 33474 85396 87568 01354 61706 26687 61984 75110  
79449 90149 16342 85674 57847 77191 58297 74090 74257 99075  
41813

Attention, rpt msg, out

**13873 kHz, 15-09, 1650 UTC**

922/40 Attention

30518 84480 49374 60159 43010 22279 93299 12698 25674 57107  
26839 69982 59131 23500 83724 64829 02620 31750 43303 13431  
13155 32829 10926 19990 57593 18474 09335 92121 84388 21782  
16408 04372 34922 98978 05154 66725 61261 33644 32873 60333

Attention, rpt msg, out

**8102 kHz, 16-09/17-09, 0710 UTC**

495/35 Attention

81999 21544 91824 73415 74427 88428 37690 38142 63354 07589  
24179 20024 21848 16873 91862 00867 63930 97245 05619 58920  
05827 46400 25091 09500 15107 81088 90054 17447 61691 81239  
18159 77991 50654 74255 85773

Attention, rpt msg, out

**13873 kHz, 17-09, 1650 UTC**

922/40 Attention

30518 84480 49374 60159 43010 22279 93299 12698 25674 57107  
26839 69982 59131 23500 83724 64829 02620 31750 43303 13431  
13155 32829 10926 19990 57593 18474 09335 92121 84388 21782  
16408 04372 34922 98978 05154 66725 61261 33644 32873 60333

Attention, rpt msg, out

**10213 kHz, 18-09/21-09, 0745 UTC**

267/34 Attention

91760 68602 15860 54751 06182 66088 98597 41444 92730 61710  
01078 68919 28615 00833 99423 62726 66631 08750 76551 53479  
23065 15366 15297 23890 28179 27763 83493 05251 28803 43284  
36596 14479 43183 94791

Attention, rpt msg, out

**10800 kHz, 19-09, 0645 UTC**

515/36 Attention

91989 30615 64505 90655 57272 09169 34022 48369 48069 05826  
07802 78316 13548 07190 97715 82579 08999 96725 52166 19591  
53221 22888 44304 64706 24395 17886 21747 07026 55317 18393  
96322 10120 10672 78460 23439 22358

Attention, rpt msg, out

**9963 kHz, 19-09/22-09, 0710 UTC**

633/32 Attention

42345 33327 51391 43400 32464 24816 20778 53473 34234 04469  
74020 75685 94633 40103 20643 20388 34474 74197 14103 41492  
36486 45471 51003 37322 57326 61085 19682 70930 89220 19391  
01435 25695

Attention, rpt msg, out

**10800 kHz, 21-09, 0645 UTC**

515/36 Attention

91989 30615 64505 90655 57272 09169 34022 48369 48069 05826  
07802 78316 13548 07190 97715 82579 08999 96725 52166 19591  
53221 22888 44304 64706 24395 17886 21747 07026 55317 18393  
96322 10120 10672 78460 23439 22358

Attention, rpt msg, out

**8186 kHz, 23-09/24-09, 2005 UTC**

365/33 Attention

88973 16272 11405 04660 64935 47587 90015 34646 85516 19144  
01338 06632 96142 71182 40712 23085 06541 71663 35516 65944  
77456 43505 21651 74803 23898 73937 01719 85407 51364 45897  
29930 41477 99110

Attention, rpt msg, out

**9200 kHz, 24-09, 0805 UTC**

312/33 Attention

87570 33446 12682 21150 24852 39027 58449 53664 99315 84422  
19200 74255 88271 56652 53120 22764 10155 97869 92462 18344  
22608 60863 75445 56513 32641 90376 20281 13827 54012 97276  
89867 16969 26173

Attention, rpt msg, out

**6397 kHz, 24-09, 1605 UTC**

231/39 Attention

46250 20755 67024 76787 08394 94321 98369 64274 84916 68273  
11976 66509 74787 44133 24620 40440 66636 12197 85076 98163  
51081 75053 11308 20636 32543 21118 01579 55038 70898 45544  
69453 58389 92561 34117 37927 57410 36536 37108 06203

Attentio, rpt msg, out

**7317 kHz, 25-09/28-09, 0530 UTC**

648/36 Attention

90811 41757 95505 84798 50685 46157 69486 68866 78645 35102  
47863 32906 85727 25248 21616 53430 99388 25102 26663 66716  
37311 89225 19373 29975 88935 11596 99051 72753 02204 65502  
03867 58143 76521 72972 52249 80881

Attention, rpt msg, out

**13470 kHz, 25-09/29-09, 0600 UTC**

182/28 Attention

78977 79226 99380 74133 43489 47698 54290 57084 11144 30175  
84967 50236 90392 46512 58409 66015 12639 90562 58222 43501  
36277 55933 15909 96305 38119 97882 54770 83167

Attention, rpt msg, out



**6804 kHz, 25-09/28-09, 0820 UTC**

436/40 Attention

69601 34746 42826 21311 48388 10036 81570 35351 28954 24985  
76425 13898 80095 98656 58427 93415 83549 83565 92478 62255  
42550 16921 47441 51483 16070 87590 09266 67346 84011 43268  
25713 71861 03136 51120 94790 90118 92950 26472 06810 28317

Attention, rpt msg, out

**9399 kHz, 25-09/27-09, 0900 UTC. Unusual long message**

539/60 Attention

04903 47291 26470 14786 65407 95127 88540 53514 24786 64174  
96975 54927 65755 22237 81665 29469 43834 74283 65674 84781  
02373 32790 96178 41934 01516 02380 82797 65599 02773 52994  
54421 34760 09870 79478 73958 97057 33107 99245 21797 58027  
70294 84109 69469 50655 82295 87731 16229 31971 55374 08796  
32911 93019 70283 21546 31015 18206 45080 86808 63287 25709

Attention, rpt msg, out

**7840 kHz, 26-09/29-09, 1000 UTC**

305/30 Attention

52457 53979 12372 91873 28407 29324 09354 42834 44660 74961  
57408 97309 66129 83059 15722 42479 34413 49692 06501 72583  
02331 86594 66305 41369 17144 76685 42357 04572 66325 54771

Attention, rpt msg, out

**8102 kHz, 26-09, 1045 UTC**

**7377 kHz, 29-09, 2000 UTC**

577/40 Attention

47749 25468 68487 03214 22990 59790 77313 96387 01739 14324  
03590 95843 69586 72426 27697 57725 57931 47488 09917 97073  
54268 10669 38526 39637 04294 77429 19664 77410 89700 90158  
43125 41791 89916 15249 26483 81075 61684 73244 24813 93580

Attention, rpt msg, out

**13046 kHz, 26-09/30-09, 1345 UTC**

919/33 Attention

80146 89917 98521 37917 82239 24184 88892 39820 42478 89697  
33734 22874 50126 71026 60502 81021 12350 86019 55376 80628  
76307 12908 24150 67456 72460 68413 49194 99949 60141 98233  
59093 23338 19039

Attention, rpt msg, out

**10620 kHz, 26-09, 1925 UTC**

557/35 Attention

66623 84986 62540 30673 62205 37400 97356 21623 99843 30541  
36748 19337 97824 16372 25835 89412 97613 35584 58996 61500  
59900 66603 12087 45838 54244 47635 90179 08529 77409 13674  
83946 16901 04610 07823 98305

Attention, rpt msg, out

**5844 kHz, 27-09/30-09, 1730 UTC**

404/32 Attention

73308 75334 78266 48944 76213 19646 53554 99041 32667 94271  
30298 56943 79603 65471 72061 19316 13887 06446 79843 44517  
04280 46744 79689 64917 92979 15431 48760 12321 66849 15699  
12031 72041

Attention, rpt msg, out

**10302 kHz, 28-09/30-09, 1300 UTC**

585/33 Attention

56935 99394 48365 23814 75442 30840 32510 50316 10171 23582  
17597 99439 87318 87006 00789 78040 45670 07237 87005 19017  
38732 67821 57908 70260 86249 80893 79843 98913 99852 62761  
39799 42705 77412

Attention, rpt msg, out

## **E17z**

**14260/12930 kHz, 07-09, 0800/0810 UTC**

674 829 5 52401 63919 92699 14600 74248 829 5 00000

**5140 kHz, 17-09, 1904 UTC, test transmission**

i.p. 598 13

37395 37446 86535 89303 33244 39054 35843 37369 37633 33307  
34888 33665 56095  
598 598 13 000

**14260/12930 kHz, 21-09/28-09, 0800/0810 UTC**

674 910 5 43611 43110 74663 58715 00463 910 5 00000

## **G06**

**5460 kHz, 04-09, 1800 UTC / 4613 kHz, 11-09, 1659 UTC**

**5460 kHz, 11-09, 1759 UTC / 5928 kHz, 14-09, 1830 UTC**

563 878 76

58589 72030 39285 42066 41100 60290 36649 43459 88799 79072  
83940 40698 47791 19977 99611 33776 47191 85159 12827 62090  
59419 42887 84238 56207 61783 35707 16298 77113 10993 06810  
07681 43285 48724 12294 89322 13387 74820 52336 53360 55808  
31461 67661 96761 29660 64236 36961 12199 05455 31768 03043  
49299 64135 50888 97791 48450 04148 40510 32176 02639 86131  
60172 04777 06461 07818 31430 03216 56518 08897 23320 30183  
08441 45183 65595 56568 22675 74585  
878 76 00000

Windows shut down sound

**9554 kHz, 15-09, 1930 UTC**

**5442 kHz, 29-09, 1930 UTC**

947 149 52

12265 10965 47839 38654 84677 93453 72217 84393 04673 97564  
01824 75643 84221 95647 92112 94543 76577 43435 47322 84232  
95674 87344 57438 45763 49325 57438 92190 96785 21244 05674  
01765 76354 83645 21234 97564 82133 07564 83234 75312 71211  
05674 65374 67321 94884 23483 82521 41212 57333 85331 53234  
05124 95732  
149 52 00000

Windows shut down sound

**4598 kHz, 21-09, 1300 UTC**

329 329 329 00000. Windows shut down sound

**5934 kHz, 28-09, 1830 UTC**

579 241 125

06046 35697 17891 74634 48808 89926 90877 29617 15635 42283  
04692 38597 05041 32635 11358 48123 16371 84356 24748 44665  
61551 39669 12365 16446 01972 81900 06594 25335 42795 96196  
06694 01087 11985 97689 03420 35472 04409 03189 48717 92804  
58765 39428 64042 56920 19507 37600 35808 28464 96825 02924  
95860 11279 43712 10470 46741 41742 23814 46172 93857 95674  
51481 01751 27955 45773 51384 31728 13587 89018 78776 18020  
32007 33247 12080 73916 59946 19267 89941 95205 95037 31535  
14405 44819 30852 29037 01803 08768 01382 42707 99220 11563  
14638 31424 47239 35680 77361 14300 73684 26666 89885 89588  
18574 90915 48834 47539 51422 82371 81305 99201 17478 25054  
42232 25784 53767 63166 69610 07182 82831 88377 99315 16141  
31665 01710 42927 85605 75302  
241 125 00000

**S06****8056 kHz, 05-09, 2130UTC / 5846 kHz, 06-09, 2230 UTC**

726 580 31

61099 51206 43222 34381 88833 95827 36614 55382 77244 20824  
05895 71236 43518 85933 93778 90609 81446 87423 93201 11158  
19226 40872 29978 76578 23463 94907 00247 07584 72796 93089  
48640  
580 31 00000

**19035/15645 kHz, 07-09/08-09, 0830/0930 UTC**

842 706 39

24407 27171 01575 75743 78568 83678 44561 52594 70741 75833  
20260 98190 96650 07026 44521 61300 22671 96808 28472 39324  
19666 93811 61805 88515 82851 18817 46955 88605 23639 67717  
32589 03993 44379 29006 19849 08722 31964 95519 39786  
706 39 00000

**19035/15645 kHz, 21-09/22-09, 0830/0930 UTC**

842 367 41

96290 07697 93968 57680 93810 66236 31898 26131 93245 65252  
15759 87298 98148 33807 22384 57943 30275 45500 18866 44009  
46767 98123 29590 19553 53523 74276 08058 29590 38204 00126  
99726 46564 71297 44491 04613 35108 48791 25462 82594 04793  
74188  
367 41 00000

**16265 kHz, 22-09, 0600 UTC**

354 912 56

06054 71309 73625 01924 34763 19383 88086 02027 60887 11155  
18228 36785 93105 55309 08913 12712 50002 49825 50298 56937  
23933 15047 11960 31576 71643 40535 45867 92342 26076 37860  
19136 96089 52816 16558 62514 86957 99590 25398 45519 15827  
12282 26189 14175 72758 15876 92277 52288 37108 83796 48953  
52191 75010 44045 97924 05901 15789  
912 56 00000



**19035/15645 kHz, 28-09/29-09, 0830/0930 UTC**

842 105 42

95450 33217 84384 44883 60650 80685 86007 59080 85377 89732  
41799 08289 70096 43711 48670 52832 70203 63524 05743 36332  
18922 65847 24200 28746 11230 27525 63025 98797 34763 78837  
39056 57989 58629 01282 84786 43382 16064 74683 52370 31340  
41879 13110  
105 42 00000

## ***S11a***

**10213 kHz, 06-09/ 09-09, 1850 UTC**

282/40 Vnimanaye

57498 04212 96683 98868 16446 23475 05843 74337 45337 24804  
11795 12507 29514 84137 87408 56674 71324 38062 33499 40764  
29902 54727 80355 34811 86427 01755 71404 50926 65235 71942  
71673 64720 91502 03860 41279 45628 60067 09957 13104 49073  
Vnimanaye, rpt msg, konets

**9960 kHz, 15-09, 1020 UTC**

425/36 Vnimanaye

24891 32363 86550 55017 44282 07993 97813 66200 23346 71382  
13131 42764 35150 69099 36264 17236 06540 75552 57235 60111  
19199 47750 34512 54525 52391 86054 18642 24347 38107 88558  
30044 60909 15412 27848 80859 32670  
Vnimanaye, rpt msg, konets

**11493 kHz, 18-09/21-09, 1015 UTC**

471/31 Vnimanaye

26603 53607 59345 89761 56197 54224 54594 52309 78992 49956  
21344 31817 76053 72728 11285 13980 16459 66480 38515 64891  
75715 63547 06249 85866 97187 71920 28743 49375 74681 97007  
43879  
Vnimanaye, rpt msg, konets

**7840 kHz, 18-09/20-09, 1830 UTC.**

382/36 Vnimanaye

65450 53484 96092 68150 49248 28088 68137 02288 72980 19063  
20163 29544 78490 66817 26917 73800 72369 09043 29583 77723  
58528 89885 87735 65839 48955 54881 70644 48615 93621 56321  
44525 77618 76580 09687 62798 00059  
Vnimanaye, rpt msg, konets

**5358 kHz, 26-09, 0455 UTC**

327/38 Vnimanaye

51590 20096 90395 84451 03826 03972 01234 54733 71486 47846  
76992 30797 77079 34119 47546 08356 78225 64939 43754 09222  
16518 42279 05600 51189 77578 95646 65260 10258 80945 65398  
39472 22846 62670 02391 93260 59191 29180 32337  
Vnimanaye, rpt msg, konets

**7317 kHz, 26-09, 0915 UTC**

482/35 Vnimanaye

02693 14559 32489 04773 93234 48358 36632 10179 06744 38730  
90650 27068 82371 06041 77962 23255 36884 68086 66605 56684  
01984 00275 92326 79785 92170 15502 14422 85446 62532 13115  
65390 09423 92165 01696 20720  
Vnimanaye, rpt msg, konets

**4016 kHz, 27-09/29-09, 1955 UTC**

370/31 Vnimaliye

68310 72101 30550 32729 18490 22430 88732 52860 52676 78994

82768 93851 49942 19994 84908 84937 88648 53532 48756 88609

61484 65815 83905 44366 03330 55473 72130 66735 54656 18875

51244

Vnimaliye, rpt msg, konets

**S25**

A late entry from August. All logged by Kalvados.

13883 kHz, 01-08, 0230 UTC	104 23994 11111 00000
13883 kHz, 03-08, 0230 UTC	104 23964 44444 23314 11111 00000
13883 kHz, 08-08, 0230 UTC	104 23384 11111 00000
13883 kHz, 10-08, 0230 UTC	104 23394 11111 00000
13883 kHz, 15-08, 0230 UTC	104 23434 11111 00000
13883 kHz, 17-08, 0230 UTC	104 23454 11111 00000
13883 kHz, 22-08, 0230 UTC	104 ????? 44444 22444 11111 00000
13883 kHz, 24-08, 0230 UTC	104 23434 11111 00000

**S28 - The Buzzer**

Freq	Date	UTC	Message
4625	14-9	0052	9P5I 4UAD Y9OI 87340 AZOTOSAD 5934 1440
4625	14-9	0430	ZhUOZ 9P5I 4UAD Y9OI 32209 53882 74676 97203 GOL'F 3200 7575 BYeSCYeNOK 3695 5287
4625	14-9	0458	ZhUOZ 9P5I 4UAD Y9OI 62350 96193 71092 18351 IODOSPOR 8188 6397
4625	14-9	0515	ZhUOZ 9P5I 4UAD Y9OI KALININ 7887
4625	14-9	0607	i.p. 4UAD Y9OI NACHYeRNYeNIYe 0104
4625	14-9	0634	ZhUOZ 10044 23013 BINTOPLAV 8053 6867 (repeating 10004 instead of 10044
4625	14-9	0644	ZhUOZ 9P5I 4UAD Y9OI NYeISch?TNYJ 1736
4625	14-9	0647	ZhUOZ 9P5I 4UAD Y9OI MIMYeTIZM 3645
4625	14-9	0650	LNR4 LYeVICHAR 1736
4625	14-9	0655	ZhUOZ 9P5I 4UAD Y9OI 33996 KYeBOSHOV 3747 2735
4625	14-9	0721	ZhUOZ 6Ye5Ye 5PCB ZKFY 9P5I 48089 14124 59799 94513 BYeZDARNOST' 4621 3901
4625	14-9	0731	ZhUOZ 6Ye5Ye 5PCB LNR4 'M4T 80272 35188 77401 18892 BLYeFOSHtUF 9860 2381
4625	14-9	0737	ZhUOZ MARONI 9099 LAVOChNYJ 0908 KASHIKA 3811 LYeTOPISYeC 1543 FAULA 7062
4625	14-9	0740	ZhUOZ 6Ye5Ye ZKDY LNR4 ZYeCS LCLA 9P54 28033 19760 05817 15687 20594 82897 DOK 6775 8658
4625	14-9	0756	ZhUOZ GIPYeR 3911
4625	14-9	0806	ZhUOZ SHINNYJ 9011
4625	14-9	0826	ZhUOZ VALYeRON 4859
4625	14-9	0834	ZhUOZ SHINNYJ 9011
4625	14-9	0849	ZhUOZ NADMOChKA 5838

**V13 - New Star Broadcasting Station (星廣播電台 Xīngxīng guǎngbò diàntái)**

Freq	Date	UTC	Freq	Date	UTC	Freq	Date	UTC
16134	26-9	0611	11430	20-9	0600	16134	26-9	0600
15388	8-9	0500	15388	21-9	0500	11430	26-9	0700
15388	9-9	0500	15388	22-9	0500	16134	28-9	0600
15388	11-9	0500	11430	23-9	0500	11430	28-9	0700
11430	16-9	0610	18040	26-9	0500			

## V15 via Radio Pyongyang

**3250, 3320, 6400 kHz, 23-09, 1515 UTC, AM**

North Korean intel via Radio Pyongyang. Music followed by messages in Korean //3250//3320 kHz

Recording: <http://www.numbersoddities.nl/V15-2017-09-23-1515utc-3320khz.mp3>

**657, 3250, 3320, 6400 kHz, 28-09, 1615 UTC, AM**

North Korean Intel via Radio Pyongyang. Music followed by a message in Korean

Recording: <http://www.numbersoddities.nl/V15-2017-09-28-1615utc-3320khz.mp3>

## V28

5005 kHz, 03-09, 2140 UTC, AM

Parrot: female operator reading messages

5030 kHz, 09-09, 2135 UTC, AM

Parrot: female operator reading messages

5038 kHz, 13-09, 2129 UTC, AM

Parrot: female operator reading messages

## VC01 - Chinese Robot (Chinese Air Defense)

Freq	Date UTC	Mode
7691	26-9 1210	USB
4770	26-9 1258	LSB
5375	26-9 1258	USB
4770	29-9 1211	LSB
5375	29-9 1211	USB

## MORSE STATIONS

### M01

**5485 kHz, 07-09, 1800 UTC, partly unreadable**

463 741 741 30 30 = =

08304 68893 13589 83838 78899 81875 86432 97698 83xx2 10230

44886 20407 74134 63759 52668 17158 77197 30043 2x987 49032

62090 59257 39378 33958 72009 54970 78546 29130 55680 83826

= = 741 741 30 30 000

### M12

**8176/9376/10476 kHz, 02-09, 0500/0520/0540 UTC**

134 134 134 1 145 111 145 111

66281 81448 77047 43385 49238 86073 47544 99131 17926 27141

75345 50342 14772 44742 94145 72439 73740 22635 02021 25930

06444 26692 34402 02512 00220 24398 22612 25335 57070 23817

97900 09093 10073 24505 69990 94165 07354 94375 13843 96221

27512 59100 56564 44041 60617 96816 02330 54555 48371 25897

50114 20316 79231 31240 91695 06434 57950 86050 85241 00597

62528 75104 78100 75397 35779 22173 72338 63586 42776 91452

06732 42787 05501 17635 48403 03795 08641 58865 35133 24977

72165 76090 95471 22190 49267 91867 37756 55043 75127 28677

92595 90574 85778 50866 90796 57003 80936 35104 51878 89224

69711 85791 89049 78405 29543 14921 89069 30891 55808 00529

63726 000 000



**9176/ 7931/6904 kHz, 06-09, 1700/1720/1740 UTC**

257 257 257 1 3788 149 3788 149  
21321 27985 06093 25803 37867 40287 29755 09650 51240 27594  
69889 34325 71257 16252 78889 23046 47727 20148 05615 54776  
18546 59381 85034 77947 01809 18083 37254 36728 98074 91251  
87993 83052 12459 50200 19284 65220 02309 42810 93552 79406  
53355 51619 74145 42430 25176 60429 33856 79135 64325 67971  
04616 35434 15515 31206 97446 76224 75472 83871 44912 35529  
51028 30913 06067 44115 54668 62595 61296 74195 02371 90452  
04276 53513 45268 38762 42902 92444 10461 07475 94005 62932  
39360 98361 68933 99038 45785 04328 77741 42272 15520 70995  
21139 52999 70551 68117 63302 47403 08415 98448 89397 72079  
26985 32575 23531 22777 92832 83256 69301 66744 57850 72804  
56831 93492 61373 61967 64253 39349 98237 60897 32133 06103  
65053 89831 13947 38237 01815 27533 13632 99377 72326 10225  
46246 05835 77762 44189 30562 50251 37226 77564 92763 42377  
63050 25146 63856 04208 40225 83131 40995 63660 94122  
000 000

**13873/13373/11473 kHz, 07-09/09-09, 1310/1330/1350 UTC**

834 834 834 1 3474 61 3474 61  
30656 08141 98078 17671 20008 69357 86462 48522 41753 46467  
18240 16582 99058 97012 00019 58774 91439 02893 28277 73182  
39093 58881 32738 51442 78441 63452 49009 57590 42370 15833  
03216 12804 96073 86448 00545 13512 30854 16786 17745 99219  
55791 86231 81445 97311 87007 99468 88942 03448 40540 00459  
41958 97244 34268 66881 91570 64001 18806 98084 69279 72802  
96209 000 000

**14377/13461/12144 kHz, 07-09, 1700/1720/1740 UTC**

317 317 317 1 1221 101 1221 101  
15117 86520 12293 68684 48976 63554 51108 63906 74839 38484  
20656 58959 60107 33956 37133 48411 26965 91642 61491 79233  
25312 16460 23686 20623 44166 64692 90865 49312 18279 97955  
18223 34481 46869 26148 19249 60652 11313 66082 20461 06811  
51868 58501 67601 06063 63361 65336 49399 30098 98267 24662  
67328 83911 85193 41191 47276 60102 47439 55067 87831 05011  
24456 15266 41245 51480 06670 19376 12600 99930 30734 27282  
98726 67709 71759 34901 23778 10856 37232 56534 01972 59308  
48249 93378 30341 91617 98880 46860 58510 69513 21859 25637  
85046 90807 66527 14761 08751 42807 01347 22172 30586 78732  
20013 000 000

**8176/9376/10476 kHz, 09-09, 0500/0520/0540 UTC**

134 134 134 1 5372 113 5372 113  
98745 20416 98647 20250 34691 96903 23997 69354 24875 18312  
48005 03098 10356 60875 08493 99173 20726 77550 50064 87137  
74821 18934 18503 67090 90367 18633 98641 19418 33758 02114  
72943 66234 53561 63928 97085 63771 27052 46378 79603 60956  
24169 90215 32414 20785 00334 08698 22260 02270 14576 52663  
49508 58185 88782 37155 57013 90009 60717 33388 28953 40129  
12429 34979 47281 28856 87911 28515 34632 45231 96155 32555  
82204 55767 38215 29133 02453 11363 76471 43020 68211 23818  
42903 98619 40406 49137 98513 43002 88331 74056 10834 12594  
80918 96338 04959 61770 29842 48004 44358 09228 18184 97140  
42382 67914 52078 36914 14583 46730 59065 09328 99883 29690  
54766 82305 36221 000 000

**16348/14848/13448 kHz, 11-09, 1400/1420/1440 UTC**

384 384 384 1 8188 151 8188 151  
23809 82863 17602 60811 71616 74647 50675 28005 14827 78305  
05950 34886 64455 87013 11937 95246 19663 81412 56226 91195  
15694 03039 56284 96096 48804 16835 08664 08944 23171 53618  
10445 18257 86614 68940 63849 27639 69544 40133 49588 11088  
29506 00235 95113 58189 45485 67726 39421 63137 23514 47337  
04928 81320 13392 05593 08873 02761 74300 17182 84859 51906  
76743 23221 62749 73560 86390 84451 04461 97524 04711 79266  
50279 09485 91323 07241 02655 82316 85415 53618 39242 60757  
68957 33806 56631 77697 00829 02984 41258 41052 26903 87814  
11220 44740 11385 29131 77060 98883 20917 10337 64290 93935  
39961 80923 46754 11480 50393 72370 00892 31527 77386 95042  
09160 67645 06416 51168 19214 24764 89596 70855 17801 73901  
91721 52666 01102 60508 14173 84509 27363 00715 91680 78464  
06415 58414 21921 32904 49598 08410 77592 17223 98614 31285  
06151 38577 39219 77628 35448 07882 31778 73078 63228 59739  
02343 000 000

**9176/ 7931/6904 kHz, 11-09, 1700/1720/1740 UTC**

257 257 257 1 9777 111 9777 111  
02095 22764 06541 77018 49349 20114 50951 19993 51108 40016  
38723 87546 61218 82397 17617 35274 49592 10997 17458 49024  
86496 74060 04236 39147 08239 04715 73608 42958 14598 11624  
71613 24139 06929 95980 41428 33920 64222 68947 10681 73757  
69522 56384 22850 88326 36538 85196 11344 24191 92207 09229  
14058 91464 30353 24074 09539 13804 22230 43799 81806 35024  
60338 82903 00992 78276 48415 93652 99643 30120 33203 40423  
52255 22541 89187 79337 64383 66683 50094 06220 35766 62872  
50246 26313 25349 87231 40056 56327 40228 50428 22638 91451  
39960 37593 99206 42273 01934 34722 35335 80005 28615 81442  
31339 14869 93640 41845 29804 32870 11401 68914 40402 85475  
20100 000 000

**9176/ 7931/6904 kHz, 13-09, 1700/1720/1740 UTC**

257 257 257 1 6808 107 6808 107  
32241 39059 58011 67307 14894 30288 20275 58296 79128 44707  
03625 49522 14045 02670 53403 48442 00623 53918 17334 35203  
27337 93771 51033 20449 19586 39596 04948 23985 94186 90155  
65163 08923 81625 30534 97038 25355 14204 85962 00891 05346  
15537 54279 64859 83559 74059 54524 35383 62167 27892 70992  
21628 52225 37902 36511 60781 57555 94396 17677 21150 74867  
73649 37614 54756 59230 72909 75709 54913 27418 72823 90240  
13207 07865 51586 73487 39976 47137 86010 76799 97460 13963  
85486 47178 49004 58802 64869 95966 61920 86890 60547 95425  
53137 30170 83048 18711 94579 83023 15886 92672 55410 51573  
40621 30224 41247 72170 73216 36109 68653 000 000

**14377/13461/12144 kHz, 14-09, 1700/1720/1740 UTC**

317 317 317 1 7806 108 7806 108  
36627 44470 47606 41873 16381 32625 69681 26622 95287 81330  
18384 74751 51644 19587 00517 64646 84590 10922 50766 27994  
94297 69934 80889 34691 91252 75509 02399 84584 40215 70095  
68742 94777 19390 37731 40555 11129 71179 51109 30305 09989  
88963 92496 29170 04480 36230 56303 64639 86734 94530 96971  
58872 30014 52384 23430 86090 94583 43595 76604 75331 03640  
09041 00098 80325 71105 34199 05831 75476 55833 10795 48634  
95569 64613 89951 93545 80097 57233 08163 36218 05852 31416  
17014 80981 18635 18416 52604 04423 98791 30016 89331 71500  
31293 46011 62172 83559 48521 40500 35505 79783 58711 96330  
74831 01356 40061 80939 76320 88859 90665 33951 000 000

**16348/14848/13448 kHz, 18-09, 1400/1420/1440 UTC**

384 384 384 1 384 4750 127 4750 127  
98269 37287 00446 83846 90476 95416 12287 80295 06254 98275  
55124 07743 56522 72306 48146 16694 76407 75986 51378 98181  
11997 81245 03486 41957 51320 16306 68809 21372 10333 03409  
20126 30117 27388 76087 23998 14008 88887 67243 77704 59461  
19517 53831 70587 55236 56654 17327 81378 81923 54184 69234  
60680 46356 14152 93164 07842 10113 31597 01627 37725 74767  
27644 76248 51262 68081 45339 94294 54690 69947 86043 73090  
66305 75214 50540 47226 20860 15215 27574 90676 86603 88934  
15649 69894 20492 70728 53246 97714 96701 69786 48360 36136  
31964 71136 76573 64088 07633 71736 06708 11997 25145 98181  
04524 03102 04485 84690 71393 20945 82073 12627 56326 08271  
35755 14900 08091 34171 77407 55278 11005 34495 72257 78807  
42711 77590 58796 19852 87600 79537 29128 000 000

**9176/ 7931/6904 kHz, 18-09, 1700/1720/1740 UTC**

257 257 257 1 5024 101 5024 101  
91018 83746 62282 96193 65673 45396 52895 64277 59663 74538  
38137 98930 85496 72828 47245 90969 54504 79788 34565 07944  
76773 79754 06844 86759 18614 73387 39098 25736 08069 73448  
59781 66020 69264 25638 64753 24995 06755 71640 32910 50016  
87086 83840 68106 52340 98925 51324 21356 70860 22552 36157  
40938 27689 10654 10826 48158 42850 38231 72637 13902 77023  
83435 73224 44533 68990 56080 13601 81532 00034 80176 73771  
60183 86968 81275 58233 35324 54581 31924 56673 35888 50865  
60949 41000 46237 42583 48126 93049 99372 60314 55219 58624  
81357 17387 21917 25675 45271 75525 21692 65840 92886 88112  
40190 000 000

**9176/ 7931/6904 kHz, 20-09, 1700/1720/1740 UTC**

257 257 257 1 8235 111 8235 111  
59455 38885 80653 22899 83048 87512 16852 73426 79189 73345  
30948 03791 47094 80358 62404 91372 43400 14132 28127 71108  
63124 52076 80236 21958 69754 00740 47415 07162 79777 75030  
28884 24465 31188 64894 74493 56414 59437 73203 70539 50222  
24655 00901 67264 38329 07648 71739 42220 01408 09365 35531  
21197 24991 33761 22735 06809 78668 12300 23013 42585 08995  
76127 39610 79138 56700 65367 54123 35820 63594 98519 62048  
64513 50432 46969 38659 79987 88746 80764 10955 33897 66729  
91927 27052 39225 89129 66621 67273 67652 21259 84210 67772  
01924 11064 33727 17711 99183 46804 63071 23490 10674 12881  
09068 24039 21287 01516 96309 20305 54024 38773 56882 98181  
45120 000 000

**9176/ 7931/6904 kHz, 20-09, 1800/1820/1840 UTC**

257 257 257 1 1576 134 1576 134  
95712 73495 30074 21377 69986 86927 31800 55719 33121 92151  
65852 34700 93305 09453 31958 64568 76407 53775 59773 95022  
14088 53260 89734 24692 46789 83947 70153 31284 32167 85058  
57022 81499 00329 74575 89623 50656 65341 19634 90797 68937  
85646 98708 59007 64601 58291 64917 62204 20538 13787 22452  
91213 65449 34444 08599 32718 39242 75857 91899 46819 23765  
44987 96607 10037 55325 23139 43884 37992 31119 01424 75374  
33495 66429 34028 88911 47383 45599 25985 13466 31291 44617  
17153 06363 31659 01225 65645 86674 36843 00109 47376 65100  
51443 27373 12437 33961 03213 36748 41017 50440 99855 38100  
03362 52320 01758 43967 53083 01013 04771 07048 95879 16729  
70782 47939 18334 61095 60383 86991 02764 17699 13025 76007  
64222 19119 32975 38899 93415 33598 46137 10633 93331 58407  
59385 54301 19098 59647 000 000

**8047/6802/5788 kHz, 20-09, 1900/1920/1940 UTC**

463 463 463 1 7316 140 7316 140  
70529 27027 39966 82887 83931 07775 93467 23408 55073 13169  
12418 86678 29523 45086 91990 55819 04641 10674 08849 64654  
90719 43061 18701 28470 28579 09904 69184 35050 20879 96266  
82717 66099 36014 60110 96029 89829 25952 18211 07769 86681  
62095 95483 16582 76200 95503 97860 26373 42337 18080 78182  
02628 06542 89364 89176 47764 48461 06705 00628 46252 57664  
91540 60154 09860 77304 34374 52628 75551 19671 66025 76492  
17042 60818 17723 02843 23692 64345 02548 02785 00737 00734  
59451 37174 20814 82466 46081 50907 11241 31732 48330 04187  
34749 57996 27734 81082 42176 42441 64204 25042 57910 67370  
36861 04159 61926 01113 45897 13186 32026 59210 04241 66277  
52805 30953 69865 17438 45442 83935 24200 12665 16875 27355  
42625 02327 26695 12619 16565 37962 94745 07286 42544 77070  
89899 90699 25192 25425 09301 68824 43685 42754 31307 65343  
000 000

**14377/13461/12144 kHz, 21-09, 1700/1720/1740 UTC**

317 317 317 1 8377 105 8377 105  
73484 27497 50142 41556 75305 56866 40570 04210 95037 20443  
47179 39699 35248 36181 02384 92589 99785 67949 68649 76116  
41826 82433 14531 34115 49479 57576 59424 76959 98840 32700  
49934 16447 70865 16360 75417 64141 75717 94948 08269 21706  
37791 71699 34289 90507 61738 48024 70584 04659 88401 07341  
56781 49674 45105 77434 68059 09073 48029 11925 82207 99085  
08464 09553 51738 61321 61369 39577 00809 34001 28217 94847  
79682 91940 60878 17904 20215 12126 19383 91410 81990 50364  
15834 45548 59355 33332 37449 56614 08293 76846 64294 99244  
61850 72797 04477 00707 06844 53999 22391 00004 38917 26547  
65288 79221 23159 09275 09750 000 000

**16348/14848/13448 kHz, 25-09/27-09, 1400/1420/1440 UTC**

384 384 384 1 6614 167 6614 167  
60503 81829 65637 87139 68946 09251 65317 88026 74539 82749  
37842 03376 54359 80625 85449 13016 43511 98397 23008 84594  
34178 57586 14753 45368 59738 31259 77020 23180 59141 55604  
38598 54687 32199 63074 96989 94262 80024 32570 40267 00812  
55405 62822 59689 65256 09343 68779 76790 71667 07520 96006  
16873 58717 62870 82729 75737 73089 47289 78333 27716 57851  
40713 30140 93017 68322 79438 15472 74288 73448 23287 66084  
89107 16535 14689 45891 10467 83406 11101 88044 20119 44440  
91157 65868 07918 83479 77276 31128 34591 77321 89317 64998  
53048 30275 20473 97416 11092 66191 62725 92479 94658 22125  
68290 33193 49639 07032 21052 96954 36253 39714 41706 79184  
26216 88321 38822 29490 23193 61208 82129 76819 02053 92954  
36106 85020 82849 54054 71622 88519 63323 43938 48848 33229  
47236 50882 48314 81945 30994 98130 72209 39774 05589 77748  
85139 66070 18054 95750 47697 31031 38915 29540 89714 41857  
49855 58686 43990 46541 07188 87227 13866 60652 40448 15168  
46857 20942 57784 84976 42259 32566 17128 000 000

**9176/ 7931/6904 kHz, 25-09, 1700/1720/1740 UTC**

257 257 257 1 6011 102 6011 102  
80727 03930 96824 86487 04829 04391 60031 81597 59161 35990  
07776 36420 04481 22612 99158 14055 98488 29642 12028 15493  
00462 79046 38344 02821 66187 28077 18961 06449 82156 72888  
53814 28345 53300 08889 50417 42927 78006 99907 35897 91289  
26323 18418 44975 94165 03245 01832 12571 40758 07268 24079  
87657 62480 78027 77868 55041 55486 79831 53310 26121 43835  
89972 83341 91094 09360 53025 80180 39047 02679 42880 87870  
61790 43019 06966 75590 08110 68293 06475 15503 28164 75514  
74042 48895 31839 34798 22527 51623 09724 22820 61780 78377  
89191 26121 37686 35206 29426 23740 88323 33119 98424 93600  
82765 88743 000 000

**9176/ 7931/6904 kHz, 27-09, 1700/1720/1740 UTC**

257 257 257 2930 104 2930 104  
60517 08249 83424 39685 90739 16614 95408 59124 52539 81984  
03177 04921 90119 63716 09239 77319 57218 89313 14641 92551  
26968 86944 75514 25996 93826 76332 86418 65795 61648 31810  
86815 24199 44925 91267 85903 99294 32622 48291 98445 24761  
58024 21554 77805 40038 29382 00327 36776 08513 63164 17804  
23754 32557 09468 05525 21061 45874 45738 93939 59735 30693  
13578 42251 27409 93156 51194 05856 86578 54768 21006 14678  
44819 47872 55219 88512 96375 42234 74258 83309 24061 06721  
35035 44566 83330 15847 45279 53003 85591 13303 78654 45097  
52960 45208 17089 76876 73677 08035 57740 87460 13187 39620  
52230 67942 97155 90894 000 000



**9176/ 7931/6904 kHz, 28-09, 1800/1820/1840 UTC**

257 257 257 1 4872 131 4872 131  
48897 64961 87761 62774 21018 06244 35486 20279 34429 96472  
37167 74213 03467 27383 19317 80082 35191 25533 31076 12613  
36375 85067 40051 92692 21558 48120 59641 90449 45849 37245  
15256 29656 16489 54578 03808 98446 10481 08861 54509 50630  
85855 29672 15563 81590 86603 25975 38756 91962 63221 80582  
83984 45299 06177 22121 65675 04469 67074 14181 65568 64954  
93856 07610 40509 69872 89387 27505 80213 55011 81776 29775  
04433 61012 97351 88226 26515 31243 36499 22947 55564 69011  
63311 77274 71071 17641 55223 21522 06196 45945 79639 63905  
29860 82206 05311 84822 11204 75561 18061 48227 39247 20241  
87915 17788 35271 34419 50202 84232 32998 67445 74564 97807  
90094 57545 05168 45627 45791 28757 40306 92303 94293 59041  
02197 26926 00568 93582 50668 92843 84852 63561 16396 87191  
05869 000 000

**6793/5893/ 4593 kHz, 27-09, 2100/2120/2140 UTC**

785 785 785 1 5641 87 5641 87  
62066 17873 17732 49223 00463 58214 22752 22802 21017 45512  
66067 75762 83247 51255 36291 59850 65263 49206 00186 14634  
89883 26325 19838 44321 89633 78057 78463 28734 10817 38748  
92014 08885 40591 58139 48171 62159 08714 47974 66783 13723  
08844 33573 39210 43329 07398 21109 56862 28757 92192 35531  
87751 15360 28515 78444 95639 55646 79739 00548 37320 09047  
87620 80990 17224 22706 85678 38295 47330 21648 86969 37218  
10240 24265 86995 10776 65905 73669 15217 94439 16098 74513  
38922 27435 22226 92960 80030 87031 78199 000 000

**13873/13373/11473 kHz, 28-09/30-09, 1310/1330/1350 UTC**

834 834 834 1 1922 113 1922 113  
05572 32964 66334 89711 95895 76386 56522 81785 32840 70315  
14928 60447 78092 75265 70158 01999 29077 20316 12946 83221  
85452 79920 70228 41270 32520 79501 04168 49768 05869 96012  
70209 64129 23466 84669 88081 45739 99403 01993 22255 05572  
05192 10039 25273 77243 27517 03696 03408 45102 21780 38400  
00144 20591 24787 55698 84341 08936 56075 84008 40191 97253  
40572 65650 79084 21711 77147 31217 30040 97625 15831 89974  
72807 73201 31202 03436 55577 15283 16450 16135 57543 25841  
29621 84625 82221 48947 60561 62300 90513 58154 01343 44741  
65801 83566 50003 02234 51940 89399 77327 95958 71223 70186  
13461 92189 92853 35117 73120 30909 69064 40808 88697 91186  
89050 80534 77043 000 000

**14377/13461/12144 kHz, 28-09, 1700/1720/1740 UTC**

317 317 317 1 2151 110 2151 110  
39395 54677 51877 52874 41686 97394 83852 40140 32879 39259  
85300 53717 15655 89849 85869 93130 05075 39040 64116 46872  
56685 08736 83815 27936 38964 64498 89922 95827 23841 02490  
77331 47918 61542 63178 40461 49968 75723 22878 93989 01083  
93506 49723 96476 27757 67924 08569 92883 34522 35425 62490  
99823 55524 80186 95696 86754 47342 50764 98597 96886 89239  
28035 21249 17784 92395 56740 81292 07347 79725 63023 99425  
43281 79324 49779 74703 21502 86615 51568 93426 31914 87158  
22314 16098 31627 53085 28689 89403 47411 14038 87943 22512  
08938 37925 65689 30963 38928 51668 29232 12942 80820 41306  
71047 28826 18215 95681 44236 80067 82050 25540 17582 10350  
000 000

**8176/9376/10476 kHz, 30-09, 0500/0520/0540 UTC**

134 134 134 1 5641 87 5641 87  
62066 17873 17732 49223 00463 58214 22752 22802 21017 45512  
66067 75762 83247 51255 36291 59850 65263 49206 00186 14634  
89883 26325 19838 44321 89633 78057 78463 28734 10817 38748  
92014 08885 40591 58139 48171 62159 08714 47974 66783 13723  
08844 33573 39210 43329 07398 21109 56862 28757 92192 35531  
87751 15360 28515 78444 95639 55646 79739 00548 37320 09047  
87620 80990 17224 22706 85678 38295 47330 21648 86969 37218  
10240 24265 86995 10776 65905 73669 15217 94439 16098 74513  
38922 27435 22226 92960 80030 87031 78199 000 000

**M14****18041 kHz, 01-09, 0500 UTC**

942 404 404 60 60 = =  
20030 16049 22066 95179 67903 52371 29373 64760 03983 88397  
61377 52820 27723 40614 71592 57267 55401 99079 28641 87896  
44356 67355 09685 02265 16151 97073 66993 07305 08344 65563  
09849 37585 09574 69988 68967 46172 57617 36022 35630 69035  
05136 67303 92703 48906 82776 75704 79752 29575 14327 79860  
59408 56505 63610 56384 77208 44754 17806 75609 32067 00109  
= = 404 404 60 60 00000

**18041 kHz, 04-09, 0500 UTC**

952 361 361 50 50 = =  
77531 91532 10927 00100 62669 12486 38614 40540 61906 28900  
97126 91793 93944 79567 60958 53940 72248 72121 44806 58153  
16134 95392 29124 63223 77146 70085 07263 59997 05008 97213  
21374 19664 32782 02723 79277 46822 85979 01737 69467 23275  
45270 30882 16454 53481 16497 22105 43622 46609 94680 16440  
= = 361 361 50 50 00000

**18041 kHz, 05-09, 0500 UTC**

952 874 874 60 60 = =  
00674 43168 55066 11707 05793 81244 61665 94845 17427 45183  
40578 37372 29142 95565 33462 16298 44625 18968 88882 27932  
87883 22696 54781 44005 52599 25342 49964 62809 26591 22809  
13013 47544 52305 34527 52088 69063 09279 59524 44042 95199  
29514 97050 56288 93855 81703 11439 89861 42058 85235 45893  
67108 58154 39923 14891 12441 99337 82399 29883 99598 91698  
= = 874 874 60 60 00000

**18041 kHz, 06-09, 0500 UTC**

952 363 363 50 50 = =  
13193 74807 70952 16987 23325 09013 98302 28205 16110 78187  
79305 53297 64144 42063 71385 48216 66305 65602 27266 91097  
60902 53515 11291 82644 21353 97370 78743 61454 26557 96247  
22836 57725 23179 36849 19064 33774 21997 44041 21612 84811  
95531 37728 91495 98411 69129 57014 61130 96107 22686 37594  
= = 363 363 50 50 00000

**18041 kHz, 08-09, 0500 UTC**

952 680 680 50 50 = =  
38873 51287 40195 79593 79214 57198 05128 52915 47993 06381  
49638 29295 03235 70277 32557 21500 58725 53200 45177 17341  
35965 25175 11940 75741 01595 74874 35293 02231 59894 81884  
79054 20362 25977 83460 12975 71146 42184 50379 60241 94818  
03185 03395 05649 62266 97530 13187 05357 46699 36259 23730  
= = 680 680 50 50 000

**18041 kHz, 11-09, 0500 UTC**

952 317 317 60 60 = =  
23603 24116 44733 51790 00404 02517 95353 31081 93332 77189  
57032 71954 14686 41809 34147 51346 99394 97379 38436 36524  
01655 79111 42123 44439 60398 27536 52226 07028 94547 00538  
29494 59650 14002 12008 00413 94879 57270 83798 35720 48789  
91716 70659 93848 11964 37329 82857 52783 82397 99965 04151  
78599 02472 25011 03824 04571 47210 07381 30454 18557 55983  
= = 317 317 60 60 00000

**18041 kHz, 18-09, 0500 UTC**

952 707 707 60 60 = =  
06892 86899 15632 92520 16945 33230 81802 66973 62183 99207  
85130 23358 05649 38200 58244 28811 77910 52543 35263 41093  
78696 70440 80026 68551 70416 82332 11709 16886 05768 47678  
82465 96178 56611 08086 86835 86604 36307 67725 07551 86282  
32685 26962 27476 89683 93861 80156 62338 70049 34064 13561  
93949 64248 51668 64242 08605 83508 76628 25990 70339 98475  
= = 707 707 60 60 00000

**18041 kHz, 19-09, 0500 UTC**

952 863 863 50 50 = =  
69716 61025 92589 15575 31638 19221 26404 98342 11521 36646  
42543 18935 88078 58012 95303 77514 80553 46700 12405 41761  
47737 73598 07927 55293 48805 15019 40653 73130 39399 26885  
53758 03902 01410 87382 56789 63477 29887 25242 35861 69713  
25509 75866 03017 32995 66064 32467 20684 22276 55368 84418  
= = 863 863 50 50 00000

**18041 kHz, 20-09, 0500 UTC**

952 863 863 60 60 = =  
73129 15193 52447 77537 42698 20212 57066 66519 58359 58803  
84185 36487 97919 54593 99853 32307 33844 05506 46696 07116  
06882 45648 22078 56902 17757 97524 07938 13401 10368 81776  
88209 74966 44925 16617 14783 80130 84467 44175 07940 53515  
43199 65908 02195 78803 70073 54295 73488 78443 66073 32979  
08660 04779 58620 42556 03153 72295 81548 04199 97864 85667  
= = 863 863 60 60 00000

**18041 kHz, 21-09, 0500 UTC**

952 583 583 50 50 = =  
41559 40263 87222 72662 95184 19976 07697 04406 99883 68990  
58391 76120 00347 34166 65666 54932 83837 85003 17924 62321  
30093 56880 50515 42400 71471 45545 86993 11935 61793 45083  
97652 96785 77315 46511 61290 84467 98262 39217 41127 47508  
44373 82911 10828 17292 62878 38789 91454 13084 92364 87582  
= = 683 683 50 50 00000

**18041 kHz, 22-09, 0500 UTC**

952 174 174 50 50 = =  
43395 73282 50140 69405 54998 26193 07816 16663 52000 46317  
41741 41390 94000 62496 25297 31358 99222 37695 07558 78208  
32201 01197 43026 69856 84534 46133 48020 16191 22150 59533  
19663 87765 97499 77073 78407 72166 50143 79728 20028 77736  
44143 74507 88030 09362 15715 26447 02403 05986 29569 34074  
= = 174 174 50 50 00000

**18041 kHz, 25-09, 0500 UTC**

925 386 386 50 50 = =  
26596 49187 24264 63497 70162 37136 71123 16090 38151 70073  
40156 79754 32887 45256 20746 91927 69066 48732 81002 57482  
67715 43910 04347 00435 58456 01630 33622 53241 69759 70174  
14914 44636 11871 08665 58256 71939 82107 32270 57429 68773  
47196 42663 36022 04133 82353 42185 11953 73733 71799 55118  
= = 386 386 50 50 00000

**18041 kHz, 26-09, 0500 UTC**

952 417 417 50 50 = =  
07625 84145 43598 35308 41971 20390 85618 40189 94880 00414  
27817 85412 11003 23792 24855 02910 17531 40730 73907 74325  
77175 60654 76471 84028 70921 09753 44812 44948 96507 67127  
01462 89880 93561 34241 45231 45282 31370 17273 82162 89772  
20086 27709 44857 44540 31543 28846 48623 47817 40372 86308  
= = 417 417 50 50 00000

**18041 kHz, 27-09, 0500 UTC**

952 836 836 55 55 = =  
20799 59498 14855 20358 37857 78220 17831 97159 86748 57140  
35041 47737 19583 07664 52521 24973 82582 44960 41405 35985  
43543 44012 31654 80841 29151 44976 32627 24189 26865 81306  
67428 35720 31024 29063 13207 60431 37882 00851 64603 04609  
19266 32824 62520 48461 29524 38201 55456 21364 25464 25707  
85439 00630 03973 06412 15998  
= = 836 836 55 55 00000

**18041 kHz, 28-09, 0500 UTC**

Not heard on various receivers in S.E. Asia/Pacific

---

**5936 kHz, 01-09, 1700 UTC** 382 382 382 00000

**5936 kHz, 01-09, 1715 UTC**

35175 68189 69619 26145 70247 17524 58062 66077 81223 80891  
50347 97232 05947 87380 94583 81900 95234 9342 04033 44983  
96745 22712 54372 03002 41917 40845 50628 51256

5477 kHz, 01-09, 1751 UTC 6627  
5477 kHz, 01-09, 1758 UTC 37  
5477 kHz, 01-09, 1800 UTC 382 382 382 00000

**5431 kHz, 02-09, 0800 UTC / 5560 kHz, 02-09, 0900 UTC**

171 241 241 40 40 = =  
34526 36452 73654 83654 92635 32413 26478 15236 83764 91724  
17236 92783 47536 29167 81724 73565 17625 36452 17625 83746  
91726 63745 28651 16235 92673 46372 18726 36452 17625 38763  
35462 78364 18725 93748 17625 36213 27653 87465 39826 18726  
= = 241 241 40 40 00000

**5237 kHz, 03-09, 2300 UTC / 5825 kHz, 04-09, 0000 UTC**

376 241 241 40 40 = =  
34526 36452 73654 83654 92635 32413 26478 15236 37764 91724  
17236 92783 47536 29167 81724 73564 17625 36452 17625 83746  
91726 63745 28651 16235 92673 46372 18726 36452 17625 38763  
35462 78364 18725 93748 17625 36213 27653 87465 39826 18726  
= = 241 241 40 00000

**4635 kHz, 05-09, 1600 UTC**

273 853 48  
 78763 53446 64042 58061 93137 31041 23764 01408 30551 99153  
 80959 99830 59563 64180 24815 86458 57827 70729 45986 14177  
 30786 75691 24677 67553 42510 34185 52821 25671 71641 87432  
 76061 65937 30376 92657 92057 70472 53961 95149 82107 57908  
 65737 10122 64081 43946 33832 58151 88651 23115  
 853 48 00000

**5431 kHz, 09-09, 0800 UTC / 5560 kHz, 02-09, 0900 UTC**

171 027 027 45 45  
 45632 17653 27362 74689 23412 07896 35121 23890 56473 89012  
 87321 54287 09351 35421 76352 73542 37654 97864 90865 47352  
 03621 17435 27435 68321 56289 20957 20873 73624 94638 03645  
 10923 20354 75609 27156 27909 25341 94563 46321 28374 09483  
 64532 37564 10956 37509 27843  
 027 027 45 45 00000

**5241 kHz, 10-09, 2300 UTC / 5825 kHz, 11-09, 0000 UTC**

376 027 027 45 45  
 45632 17653 27362 74689 23412 07896 35121 38902 56473 89012  
 87321 54287 09351 35421 76352 73542 37654 97864 90865 47352  
 03621 17435 27435 68321 56289 20957 20873 73624 94638 03645  
 10923 20354 75609 27156 27909 25341 94563 46321 28374 09483  
 64532 37564 10956 37509 27843  
 027 027 45 45 00000

**5241 kHz, 10-09, 2315 UTC**

59 97857 38721 0469E then off

**5431 kHz, 16-09, 0800 UTC / 5560 kHz, 16-09, 0900 UTC**

171 241 241 40 40 = =  
 34526 36452 73654 83654 92635 32413 26478 15236 83764 91724  
 17236 92783 47536 29167 81724 73564 17625 36452 17625 83746  
 91726 63745 28651 16235 92673 46372 18726 36452 17625 38763  
 35462 78364 18725 93748 17625 36213 27653 87465 39826 18726  
 = = 241 241 40 40 00000

4635 kHz, 19-09, 1523 UTC 09952 86060 85246 99451 4422  
 4635 kHz, 19-09, 1535 UTC 92  
 4635 kHz, 19-09, 1546 UTC 92  
 4635 kHz, 19-09, 1550 UTC 5  
 4635 kHz, 19-09, 1556 UTC 8

**4635 kHz, 19-09, 1600 UTC**

273 853 853 48 48  
 78763 53446 64042 57061 93137 31041 23764 01408 30551 99153  
 80959 99730 59563 64180 24815 86458 57827 70729 45986 14177  
 30786 75691 24677 67553 42510 34185 52821 25671 71642 87432  
 76061 65937 30376 92657 92057 70472 53961 95149 82107 57908  
 65737 10122 64081 43946 33832 58151 88651 23115  
 853 853 48 48 00000



**5560 kHz, 23-09, 0900 UTC. A complete mess. Many errors and clippings.**

171 184 184 59 59  
.-.-3253 (P3253) 26V72 (26472) 4Ch950 (48950) H2141 (52141)  
E8745 (08745) 635Yu2 (63532) 21745 53413 (5Yu413) 96423 84276  
24132 (2V132) 6Ch321 (6.-.-.321) 07621 (075.-.-.1) 30242 (3024J)  
746J9 (7426.-.-.) 73241 96313 452B1 (45261) 76498 (764.-.-.8)  
51813 (51823) 23456 (234H6) 73.-.-.92 (73192) 42614 53804 (53704)  
B1235 62897 41324 89376 (89276) 53V21 (534J1) 06213 018Ü4 (01834)  
63505 32B76 (32676) 37101 (38.-.-.765) 78365 13609 (23B09)  
5B782 (56782) 25301 79178 53305 (54305) 41326 98635 27467 (274B7)  
08521 (08531) 34245 (3V245) 87625 45632 (456Ü1) 36782 25315 (25314)  
10250 73414 53212 (5Ü212) 07642 (07B42) 46263 34127 3V.-.-.28  
097H1 (09751) 496H3 (49B53) 12311 (1231Sh) 845E2 (85502)  
184 284 59 59 00000

**5240 kHz, 24-09, 2300 UTC / 5825 kHz, 25-09, 0000 UTC**

376 184 184 59 59  
13253 26472 48950 52141 08745 63532 21745 53413 96423 84276  
24132 68321 07621 31242 74629 73241 96313 45261 76498 51823  
23456 73192 42613 53804 61235 62897 41324 89376 53421 06213  
01834 63505 32676 38101 78365 23609 56782 25301 79178 54305  
41326 98635 27467 08531 34245 87625 45631 36782 25314 10250  
73414 53212 07642 46263 34127 09751 49653 12311 84502  
184 184 59 59 00000

## ***M51 / FAV22 8ème Régiment de Transmission***

**6825 kHz, 25-09, 0808 UTC, i.p.**

DFSGD JWNHYH FKSQK LAMPO BHODF XHOSL EYTSF 35263 HSNWJ QKAJU  
OLAPM HNDJS VWGRT SHQJA 6537/ HBXJD WNQJA UHGD T GDOLQ GBCHX  
WNQJU CGDHA JQKAO LQMAO JNVGD XCWVQ HBWJA UHYGT RFSJQ GBCHX  
WNQJA QGDJS WNHYR JKSLQ AOLKJ BCJFG XVDGR SYHZU OLQJH BCJOD  
XCSLA WLWLW DGBUS 53762 QHNWJ AOLJK FGCHS GKQLZ OLQMW BXNDG  
ZRSDO LAMPK HBCJD XIJXK UJSOK 65038 MAHDG XCFSK QLAIU HDJSK  
QMAPI UJDGB XGDVR ZTGSU AJQKL PAMKF IAHO DGXVS HNWOR ZTSFA  
KLQMA OKITHU YGFTR 10964 BCNDH XJQKE SIKAP UJDLQ BWNER ZYHSI  
QKALM WMAPL WNCVF PMAUJ YHTGR CGDTR 45393 NXHRT GFCDX QHNWJ  
AUJDT 35627 9017/ HNXVW SHQJA ZUHDT SJKQM PLIKB CGCFD XBWCD  
QHJAK QKOLA YHDGR HDFSU ZKQLP LSHGR PABHF PAHDF XHBFG WNQJY  
TGDFC XHSYR 68393 BWJFY CHQJZ JWNHF UJAFQ LDKPD HSPLB CHFTR  
WNH DU AJIDO SKQGR ZHQC BXJQK WLAIJ UTYDF POGUT OFGCR XOKQL  
SJUTC 65381 YHBIJ KQGT 563// HBCJR QKALP GBCHR QKAJU YHDOQ  
LPMAU HBCGV XNWH S QJHBT DUJZI QKAOH GSCOQ BWNHT M LAUH VBDTR  
SGQHA HWJQK AKLPA BHCYT FGSUJ HWXCD SHVWC XJDUY HBKLM MQNBH  
XHTGF SHQUJ HNVFR 54783 MPJUG HXCDY SJQIA NVGDY QHWVF XHQJR  
SUJAO QMAHJ DHBVX +

**6825 kHz, 25-09, 0830 UTC**

VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ  
VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ  
VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ  
VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ  
LUNDI-LEÇON NUMÉRO 11-1/1 VITESSE 420 CODÉ =  
GFDTE XVWBQ ABNHU EJLQP AMLIK WNQHZ SJQHS DGR TC XVQJA JUHKD  
VCGFY RHQJA KWLQO ZTDFS 35271 WNDGR JQKIL PMAIU 67349 NWJDO  
YHDT C XVSFE ZHQJA KJQUH NWJFG HRTYU SKLOI MQPAZ BHPAK UJDGC  
45270 37658 XVCBD WNQHA JKQLA MPLIK JNDGR VXGQJ HDKRT UJFHV  
BCNXH WJQKZ KALMP OIRTD FHC VX 01878 DHNCJ SKRTZ SJWNQ HNGTR  
XCWVS QNBHA JQKAL MQLKO PAOQL NCHFG RTDFX WBQJH GBDJX +

LA VITESSE DES TEXTES CLAIR LÉGÈREMENT SUPERIEURE LA VITESSE ANNONCEE.  
LUNDI-LEÇON NUMÉRO 11 - 1/2 VITESSE 420 CLAIR =  
PRÉS DU CENTRE D'ENTRAÎNEMENT TACTIQUE LE BATAILLON SÉNÉGALAIS ET LES  
MILITAIRES FRANÇAIS SONT AU GARDE À VOUS. A 70 KM À L'EST DE DAKAR, LES

DRAPEAUX FRANÇAIS ET SÉNÉGALAIS SONT HISSÉS CONJOINTEMENT. COMME TOUS LES MATINS, LE RASSEMBLEMENT DONNE LE TON DE LA JOURNÉE, LES ORDRES FUSENT. UN NOUVEAU CYCLE DE SEPT JOURS COMMENCE.

VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ  
VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ  
LUNDI-LEÇON NUMÉRO 11-1/3 VITESSE 420 CODÉ =  
GBCHX WNQJZ AKOLQ PMAIJ NBCVX GSHQJ BXJTG ERZUA QIKLA PMQJK  
IKHNG 23401 HBCJD SUJET ZUJQH AOLQP MQNHB WJUTF CJDGR UJDOL  
QPM AU DJSL S WBG CN JHDGX VGDUR HD F CV 74638 UJDGS WJNQU PMAKD  
XLQUH FGCRZ SGQHA WKQJU YGHST 46329 OLDHC XBQKA UJQKL IKHNF  
CVSGZ WHQYA BWHDT QJAIK QLMAP JGHDT VXHSY ZUHSQ JWNHZ KLQPM  
HNDJS WVXBD QHAUJ TGDUR SJQKI 30187 HBCJF XJQKI HBWGD

LUNDI-LEÇON NUMÉRO 11-1/4 VITESSE 420 CLAIR =  
LES HOMMES ET LES FEMMES DU 503E RÉGIMENT DU TRAIN ONT PARCOURU  
AINSI 20 KILOMÈTRES PAR JOUR, EN PATROUILLANT SUR TROIS SITES  
DÉSIGNÉS LA VEILLE, DE 6H30 À 22H30. LE 31 JUILLET, ILS ONT  
SURVEILLÉ LES ABORDS DE NOTRE DAME DE PARIS, LES JARDINS DU  
CHÂTEAU DE VERSAILLES, ICI LES MILITAIRES DOIVENT ÊTRE ENCORE  
PLUS ATTENTIFS AUX DÉTAILS +  
CQ DE FAV22

## **M89 - Chinese military**

### **6411 kHz, 06-09, 1106 UTC, i.p.**

WC AR = G4ET/A7WC AR (Appears to be Exercise message)  
OK GA  
GA K  
R QSL 1906 K  
HR MSG GA K  
R MSG  
NR 8993 CK 200 51 0906 1900 RMKS 1025 TO 1089 K  
R MSG 1P =  
5TDN D53N 43A7 TN5D 5ND3 4D65 UD36 UA76 5367 3TDU (Cont'd)

### **5700 kHz, 12-09, 0823 UTC, i.p.**

AR K  
R RPT 16W = 3U AU AR K  
R QSL ? K (Other station on this frequency but mostly unreadable)  
R HR WK NR 01.9 K  
RPT  
R VA

### **4165 kHz, 18-09, 1938 UTC, i.p.**

FF 41 CK 34 44 090.  
34 44 0  
FF 41 RPT ?  
AS AS  
NO NO F  
FF 41 CK 34 4. 0 EEEEE  
?  
NO NO BEU LU PH K F  
AS AS

### **4222 kHz, 18-09, 1156 UTC**

MSG NR 86 CK 91 13 0918 1940 RMKS 7393 TO 793. K  
R =  
A7DU ANNA DNDU 7U45 T6D3 T3TA (Cont'd)  
AR  
R GA K

**4476 kHz, 19-09, 1536 UTC, i.p.**

R QSL 2335 K  
R OK (Both stations on this frequency)  
R H F GA K  
R GA K  
R F NR 9245/EX 2336 RMKS 9037 TO 9010 K  
R GA K  
R F BT  
K2WD/T5CN AR =  
K2WD/T5CN AR =  
K2WD/T5CN AR K  
R R R QSL 2337 K  
R R R HR MSG GA K  
R GA K  
R MSG  
NR 7542 CK 2.0 68 0919 2330 RMKS 9010 TO 9037 K  
R GA K  
NR MSG GA 1P = =  
4N6U 5A74 6N3N T4UN 3A6D (Cont'd)

**5556 kHz, 20-09, 1036 UTC, i.p.**

IEC = .C = = IEC = = IEC = 1, = = AR M  
VVV .RH I 5555 = VV 4456 K  
R 661 ER K  
R QSA 2 K  
R QSA 1 K  
R IEC = 1349 AR  
R IEC = 1823 K  
R 7G ..  
R OK  
KR, GOU 7G  
NR NR RKR L MR QSL 1837 K  
R QSL 1111837 1837 K  
QSL 1837 K  
R HR WK NR EEE OB K  
R HR WK NR 506 K  
506 K  
R VA  
R SK  
EISH5 EISH5 EISH5 EISH5 (Cont'd)  
VVV 60 EEE  
3A4U T756 DN7U AD54 T36N NDU5 47TA (Cont'd)

**5785 kHz, 22-09, 1052 UTC, i.p.**

5A4D 3DNU 6U3A 54U7 53D6 745A N74D (Cont'd)  
AR K  
(Other station also on this frequency)  
RPT 1W TO 2W K K  
RPT 1W TO 2W BT UA43 TU35 AR K  
R RPT RPT K K  
R RPT 1W TO 2W BT UA43 TU35 AR K  
R RPT 50W 50W K K  
R RPT K (Cont'd repeat groups)  
R QSL 1859 K  
RPT  
R QSL 1859 1859 K K  
R GA GA (Other station into tfc - appears to continue next part of the message)

**10999 kHz, 22-09, 0044 UTC, i.p.**

R R 4W EEEE RPT 04W = = 5U.. AR K  
R R OK OK  
HS QSA 1 U QS. 09 K  
VVV K  
VV K  
HS QSA 1 U QS. 0.. HR QSA 1 U QSY TO NR 10 K  
VVV U 7GA K  
R RPT K  
GA K  
HR Q.. K HR QSA 2 QSY TO NR 20 HR QSA1 QSY TO NR 20 K  
VV K K  
R R RR QSA 1 EEEE QS K  
UJW GA UJW GA  
R R HR EEEE R U MSG 1W GA K

**11093 kHz, 22-09, 1024 UTC, i.p.**

VVV KYFA DE UYJR = YR NR 11 MSG QSL TIME 1808 AR (Cont'd)  
VVV RULR DE UYJR = YR NR 17 MSG QSL TIME 1808 AR (Cont'd)  
AR  
VV U  
VVV VVV R U HPTB HPTB AR  
VVV = HPTB HPTB HPTB AR  
VVV = HPTB HPTB HPTB AR  
VVV = HPTB HPTB HPTB AR  
VVV = HPTB HPTB HPTB AR  
VVV = HPTB HPTB HPTB HPTB AR NIL SK GB  
VVV KYFA DE UYJR = YR NR 11 MSG QSL TIME 1808 AR K (Cont'd)  
VVV RULR DE UYJR = YR NR 17 MSG QSL TIME 1808 AR (Cont'd)

**5657 kHz, 25-09, 0800 UTC, i.p.**

7G NR NR 014 CK 501 EEE EEE  
MSG NR NR 501 T6  
7G NT  
7G NR NR 50A4  
7G NR 50A4  
7G K  
7G NR NR 5013  
73 BT BT 743 71T7 T373 73 0  
7777G NR NR 5014 CK CK ITJ 73 TNU EEEEEEE 12E 1T 2122222  
MSG NR NR 501A KT CK 5  
MSG NR NR 5013 CK CK 501 7W EEEEEEE  
74 7T  
7G NR NR 5014 CK CK 501 73 0925 174EEEE RMKS 50504 TO 507D  
77 76  
7T 7T 7G C 76  
7G 7G NR NR MG 7 7 7G  
NR 5014 CW EEEEEEE  
MSG NNA 7G  
NR NR 5014 CK  
7G NR NK  
7G NR NN  
7G NR NR 01V  
7G N  
7G NR NR 5014 CK K

**4056 kHz, 28-09, 1612 UTC, i.p.**

R OK GA K  
N RPT K  
R QSL .01. K0010 K  
QSL 0011 K  
N D NR 113/EX 0002 NM KS 7492 TO 7..2 K

BT Q3L4/F7C6 = =  
.3.4/F7C6 AR K  
N OK  
N OK GA K K  
N OK GA K  
R OK GA K  
N QSL 0022 0022 K  
OK MSG GA  
NR 114 CK 99 08 0929  
MSG GA  
NR 114 CK 99 09 0929 0023 RMKS 7492 TO 7782 K  
K OK  
MSG 01W =  
A7.D 5TUD 4... (Cont'd)

**4462 kHz, 28-09, 1636 UTC, i.p.**

GA (IP - 1636z)  
N QSL 0351 K (1639z)  
R QSL 0351 K  
G GA HW ? K  
N HR SIG  
FFF NR 8273/ BT TT4T BT BT  
X1B8/5 EEEEE BT BT  
X1E3/5T EEEEE BT  
X1X8/C4S2 AR (1641z)  
KKKK (1643z)  
OK (1644z - Silent)

**4712 kHz, 30-09, 1536 UTC, i.p.**

z 30/09/17[i.p.  
R AIII FF NR NR 6IIII  
NR NR 6163/EX 2337 RMKS 9075 TO 9442 K. R FF =  
SIIII FFF =  
S1Q4/F5  
RA3 AR = =  
S1Q4/F5A3 AR K  
R OK  
OK

**4894 kHz, 30-09, 1502, i.p.**

QSA 2 U ?  
DP391 DP7391 QSA 3 HHR .  
NL SK GB GB  
DP7791 QSA 3 U ?  
DP7791 DP7791 DP7791 QSA 3 HR NIL  
NIL NIL SK SK GB  
DE DP7491 QSA 2 U ?  
DP7491 DP7491 QSA 3 HR NIL  
NIL SK SK GB GB  
DP791 QSA 3 U ? K  
491 DP7091 DP7091 QSA. NIL (Send letter O for zero)  
DP7591 QSA 2 U ?  
DP7591 DP7591 QSA 3 NIL  
DE DP591 QSA 2 U ?  
MDP7591 DP7591 QSA 3 HR NIL  
NIL SK SK GB GB  
DP91 QSA AR U ?  
DP791 QSA AR U ?  
DP.. 91 QSA  
DP7691 HR NIL  
NIL SK SK SK GB GB



DE DP7091 QSA 2 U ?  
DP8 DP7191 DP7391 DP7091 DP7091 QSA 3 HR NIL  
ISEES IVVV VV IVSIIIVVVV SV S  
DE DP7091 QSA 2 U ?  
DE DP7091 QSA 3 U ?  
DP7091 QSA 2 U ?  
XV  
DE DP7091 QSA 2 U ?  
UUVV  
DE DP7091 QSA 2 U ?  
DP7091 I DP70DN DP7091 DP7091 DP7091 QSA 3  
DP7091 NIL SK  
HR NIL NIL SK SK GB

---

**8665//12856 kHz, 14-09, 0711 UTC, CW, i.p.**

**Shanghai Radio sending messages similar to M89**

N/W NR 74 = =  
N/W XSG NR 74 CK 37/1 . 1. 9 =  
3337 3. 0 .. 7UU I AD7 U63N TU5D (Cont'd) AR  
NEXT = EFW NR 73 = =  
N/W XSG NR 73 CK 71/65 .3 .54 =  
3337 5300 6UU6 (0663) 7TUU 3T6D (Cont'd) AR  
NEXT = N/W NR 72 = =  
N/W XSG NR 72 CK 83/59 14 0528 = =  
66N7 53TT 6UU. (02.) 3U5D 3ADN T644 TU5D (Cont'd) AR  
N/W XSG NR .7 CK 66/5 M 13 1519 =  
66N7 53TT 6UU6 (0201) 7DT6 3ADN T554 (Cont'd) AR  
NEXT = N/W NR 70 =  
N/W XSG NR 70 CK .// ... =  
AR  
DE XSG VA

## **M95**

**4364//8073 kHz, 01-09, 1143 UTC**

V BNGC (x3) DE XSV85 (x2)  
HR 7GS GA PSE CY  
NR 0758 CK 304 35 0901 1625 =  
TTA 3U6 3AN 3U7 TAU 773 357 (Cont'd)

**4243//9054 kHz, 01-09, 1146 UTC**

NR 012 CK 17 35 0901 1457 =  
5TD UTT TTA 3U6 3A4 356 4TN U7U N4A 444  
3DA TTU TT3 773 435 3DU 4D3 AR  
MSG AGN  
NR 012 CK 17 35 0901 1457 =  
5TD UTT TTA (Cont'd) AR  
A HR MSG GA  
NR 02 CK 097 35 0901 1626 =  
UTU TTA 3U6 3A4 TTU 773 353 U4T 354 373 (Cont'd) AR  
MSG AGN  
NR 02 CK 097 35 0901 1626 =  
UTU TTA 3U6 (Cont'd) AR  
A HR MSG GA  
NR 072 CK 20 35 0901 1648 =  
UT5 TTA 3U6 3A4 TTA TTU TT3 773 353 U4T  
354 75D 373 4TN 336 N3D 4TA 445 4D3 3DA AR  
MSG AGN  
NR 072 CK 20 35 0901 1648 =

UT5 TTA (Cont'd) AR  
A HR UP SB WK AR

**5555 kHz, 04-09, 1100 UTC**

NR 7M DP 7G NR 7G DP TOU TOU ISCGCGQTA .. QTA QTA TVOS  
CQ XXX CQ XXX DUT. DUTY DUTY C. CY .. L  
CWCT CW 7G I7GS T C. GW F SENO. GC Q QVWOK GA OK .  
QSA 2 QSA 2 COMM . DUTY DUTY DUTY DUT. PE PSE .SK U WK NR S PSE  
U. R ? PSE PSE PSE A VA SWK NR ? PSE ASK AWK NR  
PSE ASK PSE AS K U WK NR ?  
PSE ASK PSE PSE AS K U WK R ? QS.. TKS TKS  
TKS DUTY CSC3 RPT 7G PSE CG DUTY 15W EEEEE  
PSE CG DUTY 1 W HW .. R K  
VV ZG95 K RBUUGO KR  
R MR CG QSA K  
R R QSA 1 KR IEC = 1349 K  
R IEC = 0823 AR K  
R 7G OA. EEEE 7G TO. OTECY K  
R K  
R 7G NR NR 1 NR 082 CK 100 LS O 3. 0250  
7G ...0904 1905 RMKS RMKS 4931.5034 KRM R. .  
RPT KADPDP 0901 KL.K MU  
R = = N6U3 85A7 U6D3 N7.3 T5N4 (Cont'd)  
R QSL 1907 K  
R HR PSE A VAT EEEEE RP SE KUWK NR ? K  
R IR WK NR IS4.O HK R  
R HR WK 238 238 K  
R MT EEEE R OK R SK  
R OK SK  
VV A4QS KNBA4 QSK R QSA 1 K  
R QSA 1 K  
R SK K  
R OK SK  
PSE CG DUTY 1W K ?  
PSE CG DUTY 12KW ? K  
R OK  
EISSSES TM 7B890  
VV WUPO KRD  
VV ZG95 KRBVUPOK R CGE  
RPT .. CG  
R R PSE CG QSA RPH PSE AHK CG QSA ? K  
R Z..U A EEEE CQ QSA 1 EEEEE  
R QSA 1 KR IEC = 1378 AR K  
R IEC = 2723 AR K  
N 7G ..U ROK A EEEEE  
OK 7.  
R 7G FNR CK KLSDPDGFM K.KROK K  
KR.GA MU, MU, GA .. CG.  
OK KR. N AR K  
R QSL 1915 K  
R HR NR A ESA HR WK NR 231 K  
R HR WK NR 506 K  
R SK  
R OK SK GB GB  
VV CYCY CLCLSK  
CLSC CLS. R RPT RPT TCO UWCHANNEWOBOSBSWU  
O GEGTOHR O7G TO HR NOTE CG  
7G .HR PSE K  
ISSRE TO Q0879 DUTY FM GBM  
R T  
DUTY DUTY DUTY DUTY FM FM GB GB GB H DXXX COD

DUTY DUTY DUTY 1W KSW HW HW HR HR HW IEC IEC = = CKRS RIEC = = AR AR K R7 R7 GTO U KR OK .. = CK  
 R QSL 1923 K  
 R HR WK NR 555 K  
 R  
 CCK HG CY CLS CLS ... U W QSY NO ..NIL OLD OK OBS NW NEW HD QLD HD  
 HR WSE.K U WK NR ? WK NR 5.6 K  
 R OK S. RMKS RMKS R ...  
 R MKS RMKS LL S PSE PSE LL TO HR  
 PSE CHGO.HDHW ?  
 PSE CHG OLD HDWK  
 RPT CHG OLD HDWK HW ?  
 R OK  
 HR NIW WK PSE QRS HR  
 HR NEW HDWK  
 PSE QRS  
 QS TKS QT SCCK CH. L.LSC.CAA  
 HR IEC IEC AS KASK  
 ASK  
 ASK CK C QT. S CCK  
 AGN AGN R QSA CCW 7G SK  
 7G S C 7G TC 7G T.MSG  
 C.. CZGNIL NIL  
 NIL N... COM  
 NIL COMM HR ?  
 R OK  
 R GB SK  
 OLD QLD  
 VV YTRZ R BYTRZ R K  
 VV YTRZ K ASYTRZ K  
 R QSA 2 K  
 R QSA 1 K  
 R SK  
 R SK  
 RPT NR RPT 7G K  
 RPT RPT 12W K  
 R RPT 12 K  
 = = CHANCHANCHAN RMKS RMKS RMKS RMKS IEC IEC IEC IEC IEC NIL NIL NIL T NIL NIL K  
 HR LL HW HR HR HW  
 DUT. . DUTY DUTY WE WK MK NR .. WA WK NR MSG O.  
 7G CK 7G DG 7G DPD 7 7D7G DPN7GDG 7G DPDP  
 DP7G .. 7G RMKS  
 TC .UTOU7G 7G TOUKROK. K  
 AS K .. NSANSTGNAGNR .. CCWZ  
 7G 7G HR WK NR 505 DP0704 DP1200 HR NEW HDWK PSE QRS PSE CHGO.EDHDWK S WHR LL IS O25181  
 7 7G TO U HR WK NR M.PSE AS K U W.  
 MST 7G TO U  
 OK K  
 N 7G NR CK DP DG RMKS K R=EEEE  
 R OK 7.K A = =  
 D.7S ? U6D3 N7.3 T5N4 .3T6 4U5T (Cont'd)  
 AR K  
 R QSL 1942 K  
 QSL 1942 K  
 R HR WK NR PSE A U I. PSE PSE PSE EEEEE  
 PSE ASKUWK NR ? PSE .SE ASK U NR  
 PSE ASK U WK NR ? K  
 R HR WK NR 505 505 05 F? EEEE  
 FF YR / 098/CCK .CCK 555 XXX NG = ==  
 /NA.XX/= = .6N5 // = =NNN6N5 695/CCK 543///NEN///CCK/CCK  
 NR 435/CCK CK 10 DP DG 6 (Message format indicates M95 family)  
 WK RPT IHSDW

655DWK R QSA . K  
 R OK EEEE R QSA 2 K  
 R SK  
 R SK  
 VV HSDW K  
 R BHSDWK  
 R QSA ? K  
 R QSA 1 K  
 R SM EEEEE R SK  
 OK SK  
 VV HVDW 6W  
 VV H  
 VV HSDW BY.N T  
 VV HSDW BYTR ZK  
 R Y TRZ K  
 R T CG E  
 QSA ?  
 R QSA 2 K  
 R QSA . 11 K  
 R = 1923 K  
 R IEC =  
 = = = HR A PSE GSE LL TO 02 .. KR OK  
 R SK K SK  
 = 1. = IEC IEC = 1349 ... EEEEE  
 IEC = 1823 CK  
 IEC 1323 K  
 R IEC = 0849 AR K  
 N 7G TO U  
 N.. ROM  
 R OK KR T 7G NR CK DP DG PRPT DG RPG NR  
 4. 4980281 10 KW K  
 VV A4QSKRD EEEE  
 R BA4 QSK R QSA 1 K  
 BBBDA4 QSB A4 QSK  
 = 6CY.. R QS.  
 R BY TR Z KR QSA 1 K  
 R QSA 2 K  
 N VA R OK SK  
 QSA (1154z)  
 VVV //A/////////  
 VV 74NW  
 VVV YTRZ KR BY (1155z)  
 R BY TRZ KR QSA 2 K  
 R QSA 1 K  
 R VA  
 R OK VA  
 VV .. 1 RK.  
 QSA 2 K  
 PSE AS K  
 PSE PSE QSA ?  
 PSE AS K (Two stations both sending at the same time)  
 CG QSA ? K  
 1125..

# **8073 kHz, 06-09, 1140 UTC**

V BNGC (x3) DE XSV85 (x2)  
 HR MSGS PSE CY  
 NR 0784 CK 45 35 0906 1606 =  
 TTN N5U TT6 N53 TAD N54 7TT TT7 746 6T3  
 6T7 6TA TA7 (Cont'd) AR  
 A HR MSG GA

NR 0785 CK 139 35 0906 1606 =  
TTD 3U6 3AN 3U7 TAU 773 TA7 773 354 (Cont'd)

**4243//9054 kHz, 06-09, 1146 UTC**

AR  
A HR MSG GA  
NR 087 CK 15 35 0906 1656 =  
UT5 TT6 3U6 3A4 TTA TTU TT3 773 353 N3D  
35U 4AN 446 4D3 3DU AR  
A HR UP SB WK AR AR

**5700 kHz, 07-09, 0748 UTC**

7G NR 182/CCK CK 19 03 0907 1547 RMKS 7546 TO 8344 K  
R 7G =  
3764 AU46 ND64 3U46 .4.D 3754 6AU3 TA73 U4ND 3UTD  
AU45 56ND 54UA T53U 4.AU 3UAU 6.U3 ND46 T46D AR K  
AK  
R RPT 1. 3764 AR AR K  
R RPT 9W = U4ND AR  
R RPT 19W = T46D  
RPT 19W = T46D AR K  
R HR WK NR 015 UF K  
R K  
RPT . NR K  
R VA  
V 45SB DE GMQM K  
R QSA 2 K  
N QSA 2 K  
NI = 1323 AR K  
N IEC = 184. AR  
N IEC = 1849 K  
R 7G TO U K  
N OK GA K  
7G NR 183/CCK CK 19 03 0907 1557 RMKS 7546 TO 8347 K K  
N GA K  
R 7G =  
3764 AU46 ND64 3U46 54ND 3754 6AU3 TA73 U4ND 3UTD  
AU45 56ND 54UA T53. 46AU 3UAU 64U3 ND46 T4.D AR K  
1W K (Sent same message as before but gave it a new message number and sent to a different station)  
R RPT 1W = 3764 ? 3764 K  
1W K  
R RPT 1W = 3764 AR K  
6W K  
RPT 6W K  
R RPT K  
7G = =  
3764 AU46 ND64 3U46 54ND 3754 6AU3 TA73 U4ND 3UTD  
AU.5 56ND 54UA T53U 46AU 3UAU 64U3 ND46 T46D AR K  
NRPT 1W TO .W K  
R RPT 1W = 3764 K  
R RPT 1 W K  
R RPT 2W EEEEEEE R RPT 2W = AU46 AR K  
N RPT 6W K  
R RPT 6W = 3754 AR K  
N RPT 6W K  
R RPT K  
N RPT 6W K  
N RPT 6W = 3754 AR K  
R RPT 6W K  
R AS  
N RPT 7W K



QSA 1 ... K  
 OK HR WK NR 0151 K  
 R R HR WK NR 0151 K  
 N HR WK NR 505 F K  
 OK ...  
 R SK  
 VVV K  
 VVV VV AWSG DE GMQM K  
 K H... K  
 R QSA 1 K  
 QSA 2 K  
 R IEC = 1323 AR K  
 IEC = .88 = 0849  
 R Q.. K  
 N GA  
 R NR 184/CCK CK 19 03 0907 16.5 RMKS 7546 TO 8398 K  
 NR GA  
 R =  
 3764 AU46 ND64 3U46 54ND 3754 6AU3 TA73 U4ND 3UTD  
 AU45 56.D 54UA T5.U 46AU 3UAU 64U3 ND46 T46D AR  
 R R QSL 1.15 K  
 QSL ? K (Sent same message as before but gave it a new message number and sent to a different station)  
 R QSL 1616 K  
 NR WK NR 483 K  
 R SK  
 VV HH2J DE GMQM K  
 R R..K  
 R QSA 3 K  
 QSA 2 K  
 R IEC = 5678 AR K  
 IEC = 5678 AR K  
 IEC = 5678 AR K  
 R R IEC IEC = = 6324 AR AR  
 R IE EEEEE 7G  
 OK GA K  
 R = NR 185/CCK CK 19 03 0907 1625 RMKS 7546 TO 8379 K  
 R OK GA K  
 R =  
 76AU 64DN 3TDN UAT5 65T. (Cont'd)  
 AR K  
 RPT 14W K  
 R RPT 14W = UA64 AR K  
 R HW HR = 65N6 AR K  
 HW DT 65N6 AR K  
 R QSL 1632 K  
 R HR WK NR 013 EEE NR NR 0152 K  
 NR HR WK NR .05 K  
 OK SK

#### **4364//8073 kHz, 07-09, 1137 UTC**

V BNGC (x3) DE XSV85 (x2)  
 HR 7GS GA PSE CY  
 NR 0790 CK 97 35 0907 1542 = =  
 TT7 3U6 3AN 3U7 TAU 773 357 (Cont'd) AR  
 A HR MSG GA  
 NR 0791 CK 49 35 0907 1544 = =  
 TTN N5U TT7 63T TAD N54 7TT TAA 746 (Cont'd)

#### **4243//9054 kHz, 07-09, 1148 UTC**

HR 7G TO YR PSE CY  
 NR 02. CK 18 35 0907 14.4 =

5TD UTT (Cont'd) AR  
 7G AGN  
 NR 024 CK 18 35 0907 1454 =  
 5TD UTT TT7 3U6 3A4 35U 3D. 4AA U7U N4A  
 444 3DA TTU TT3 773 435 3DU 4D4 AR  
 A HR 7G GA  
 NR 14 CK 126 35 0907 1625 =  
 UTU TT7 3U6 3A4 TTU 773 35A (Cont'd) AR  
 7G AGN  
 NR 14 CK 126 35 0907 1625 =  
 UTU TT7 3U6 3A4 TTU 773 35A (Cont'd) AR  
 A HR 7G GA  
 NR 09 CK 19 35 0907 1650 =  
 UT5 TT7 3U6 3A4 TTA TTU TT3 773 35U U4T  
 353 75D 36T 4AN N3D 4AD 445 4D4 3DA AR  
 7G AGN  
 NR 090 CK 19 35 0907 1650 =  
 UT5 TT7 (Cont'd repeat message)  
 AR  
 A HR UP SB WK AR

**4243//9054 kHz, 09-09, 1146 UTC**

V A HR 7G TO YR PSE CY  
 NR 03 CK 32 49 0909 1721 =  
 7N5 757 T75 TT5 4TT N35 45T 755 N7U 353  
 T63 3T6 346 77A 577 NNU N5U N6U 3U3 T63  
 7N6 N4A 577 NDU N4U N4U 3U. T.3 4DA 45A  
 36N TA3 AR  
 A HR 7G GA  
 NR 028 CK 19 35 0909 1448 =  
 5TD UTT TTN 3U6 4A4 3.7 373 36U 4TN U7U  
 N4A 444 3DA TTU TT3 773 4.5 3DU 4DD AR  
 A HR 7G GA  
 NR 18 CK 152 35 0909 1634 =  
 ..TT 3U6 3A4 TTU 773 357 (Cont'd) AR  
 A HR 7G GA  
 NR 096 CK 15 35 0909 1715 =  
 UT5 TTN 3U6 3A4 TTA TTU TT3 773 357 37U  
 ..3 6U 4AD 445 4D4 3DA AR  
 6R UP T WK

**4364//8073 kHz, 09-09, 1136 UTC**

V BNGC (x3) DE XSV85 (x2)  
 HR MSG GA  
 NR NR 0795 CK 188 35 0909 1603 = =  
 TTN 3U6 3AN 3U7 TAU 773 TA7 773 356 356 (Cont'd)

**4747 kHz, 10-09, 1335 UTC, i.p.**

405U T564 N437 UTT3 DAUU 4DU7 D3AU (Cont'd) AR K  
 R RPT 07W = 0592 0592 AR K  
 R RPT 13W = 6342 6342 AR K (Cont'd to repeat groups)  
 R QSL 2140 K K  
 R R OK U 7G GA K  
 AS AS  
 MSG GA  
 MSG NR 1475/CCK CK 9194 0910 2100 RMKS = = (Message format indicates M95 family)  
 NR 475/CCK CK 91 94 0910 2100 RMKS = = 4706 TO 9776 AR K K  
 R R GA K  
 = = ... 5D 6UN. D7.. (Cont'd)  
 AR AR K K (1349z)  
 R QSL 2149 QSL 2149 K K

R R K K K  
QSL 2149 K K K  
R N HR R.K GB SK GB  
R R SK GB

**4348 kHz, 11-09, 1452 UTC**

R QSA 2  
R RPT K (Both stations on this frequency)  
R QS..  
MSG NR 004/CCK CK 99 18 0911 2300 RMKS 0738 TO ....K  
R GA K  
R = = = UA3D AUNU U7AN 435A (Cont'd) AR  
R QSL 2308 K  
R QSL 2308 K  
7G GA K  
R HR MSG GA K  
NR 050/CCK CK 99 18 0911 RMKS 6651 TO 0738 K  
= = A46D 53NT N547 TNAD 5T4D ADU3 A5U4 (Cont'd) AR  
AR QSL ? K  
R QSL 2315 K  
R RPT PBL K  
RPT PBL K  
R RPT O PBL  
NR 050/CCK CK 99 18 0911 2300 RMKS 6651 TO 0738 K

**4348 kHz, 11-09, 1452 UTC, i.p.**

R QSA 2  
R RPT K (Both stations on this frequency)  
R QS..  
MSG NR 004/CCK CK 99 18 0911 2300 RMKS 0738 TO ....K  
R GA K (Message format indicates M95 family)  
R = UA3D AUNU U7AN 435A (Cont'd) AR  
R QSL 2308 K  
R QSL 2308 K  
7G GA K  
R HR MSG GA K  
NR 050/CCK CK 99 18 0911 RMKS 6651 TO 0738 K (Forgot to add message time)  
= A46D 53NT N547 TNAD 5T4D ADU3 A5U4 (Cont'd) AR  
AR QSL ? K  
R QSL 2315 K  
R RPT PBL K  
RPT PBL K  
R RPT O PBL  
NR 050/CCK CK 99 18 0911 2300 RMKS 6651 TO 0738 K

**4243//9054 kHz, 14-09, 1145 UTC**

V HR 7G TO YR PSE CY  
NR 04 CK 28 49 0913 1300 =  
7N5 757 T75 TT5 4TT N35 450 755 N7U 353  
TT5 337 346 77T 577 NTU 3U3 T63 7N6 N7A  
577 N6U 3U3 T63 4DA 45A 36 DTA 3 AR  
MSG AGN  
NR 04 CK 28 49 0913 1300 =  
7N5 757 T75 TT5 4TT (Cont'd repeat message) AR  
A HR MSG GA  
NR 038 CK 17 35 0914 1514 =  
5TD UTT TA4 3U6 3A4 356 4T5 U7U N4A 444  
3DA TTU TT3 773 435 3DU 4D3 AR  
MSG AGN  
NR 038 CK 17 35 0914 1514 =  
5TD UTT TA4 3U6 (Cont'd repeat message) AR

A HR 7G GA  
NR 012 CK 13 35 0914 1607 =  
UT5 TA4 3U6 3A4 TTA TTU TT3 773 353 4AD  
445 4D3 3DA AR  
7G AGN  
NR 012 CK 13 35 0914 1607 =  
UT5 TA4 (Cont'd - repeat message) AR  
A HR 7G GA  
NR 28 CK 102 35 0914 1623 =  
UTU TA4 3U6 3A4 7TA 643 76T (Cont'd) AR  
MSG AGN  
NR 28 CK 102 35 0914 1623 =  
UTU TA4 3U6 (Cont'd - repeat message) AR  
A HR UP SB WK

**4364//8073 kHz, 14-09, 1139 UTC**

V BNGC (x3) DE XSV85 (x2)  
HR MSG GA  
NR 0825 CK 248 35 0914 1548 = = =  
TA4 3U6 3AN 3U7 TAU 773 TA7 773 TU4 773 356 (Cont'd)

**4243 kHz, 18-09, 1146 UTC**

V 7G TO YR PSE CY  
NR 046 CK 19 35 0918 1522 =  
5TD UTT TAD 3U6 3A4 356 4AA N3D (Cont'd) AR  
A HR 7G GA  
NR 024 CK 20 35 0918 1645 =  
UT5 TAD 3U6 3A4 TTA TTU TT3 773 356 75D  
354 373 4.A 346 N3D 4A5 446 467 4D6 3D3 AR  
A HR 7G GA  
NR 36 CK 151 35 0918 1706 =  
UTU TAD 3U6 3A4 TTA 773 353 U4T 354 (Cont'd) AR

**4530 kHz, 18-09, 1214 UTC, i.p.**

R MSG NR 016/CCK CK 91 81 0918 2000 RMKS 3476 TO 5339 K  
R RPT =  
HR RPT RPT NR 016/CCK 016/CCK K  
R =  
AD76 43U6 N6N7 TUNA U6T4 ANTA D45D (Cont'd) AR K  
R HR RPT 19W 5478 5478 K  
R HR RPT 44W 661 AR 66 AR  
R HR RPT 44W 6612 662 K  
R HR RPT 28W 1378 178 K  
R U MSG GA K  
R QSL 2029 2029 K  
R HR WK NR 66 K  
HR WK NR 6 6 K  
R NIL SK

**8073 kHz, 18-09, 1137 UTC**

V BNGC (x3) DE XSV85 (x2)  
HR MSG GA PSE CY  
NR 0838 CK A40 35 09A8 A546 =  
TAD 3U6 3AN 3U7 TAU 773 TA7 773 TU4 773 355 (Cont'd)

**8235 kHz, 18-09, 1128 UTC, i.p.**

MSG  
NR 71/CCK CK 2. 81 0918 1930 RMKS 071. TO 82 EEEEE RMKS 0718 TO 8268...3477 =  
6.A. 3464 ANA6 (Cont'd) AR K  
MSG AGN  
NR 71/CCK CK 28 81 0918 11930 RMKS 0718 TO 82688823477 =

6U.E 3464 ANA6 (Cont'd) AR  
HR NR 13. EEEEE HR 135

**4243 kHz, 19-09, 1147 UTC**

V HR MSG TO YR PSE CY  
NR 05 CK 27 49 0919 1932 =  
7N5 T63 NN6 45D ATU 56N 4TT N7U 6N3 N6D  
DN5 D65 T63 3T6 TT3 356 33T 3U3 T63 746  
N4A 3U3 T63 4DA 45A 36D TA3 AR  
MSG AGN  
NR 05 CK 27 49 0919 1932 =  
7N5 T63 NN6 (Cont'd repeat message) AR  
A HR MSG GA  
NR 048 CK 17 35 0919 1440 =  
5TD UTT TAN 3U6 3A4 356 4A5 U7U N4A 445  
3DA TTU TT3 773 446 3DU 4D3 AR  
MSG AGN  
NR 048 CK 17 35 0919 1440 =  
5TD UTT TAN (Cont'd - repeat message) AR  
A HR MSG GA  
NR 38 CK 128 35 0919 1633 =  
UTU TAN 3U6 3A4 TTU 773 35A U4T 353 4TA (Cont'd) AR  
7G AGN  
NR 38 CK 128 35 0919 1633 BT  
UTU TAN 3U6 3A4 TTU 773 35A (Cont'd repeat message) AR  
A HR 7G GA  
NR 027 CK 24 35 0919 1700 =  
UT5 TAN 3U6 3A4 TTA TTU TT3 773 35U U3T  
353 4TA 446 TTA 773 467 336 DA5 N34 445  
4D6 3DU N3D 3DA AR  
7G AGN  
NR 027 CK 24 35 0919 1700 =  
UT5 TAN (Cont'd - repeat message)  
AR  
A HR UP SB WK

**4243 kHz, 19-09, 1545 UTC, i.p.**

NR 05 CK 27 49 0919 1932 =  
7N5 T63 NN6 45D ATU 56N 4TT N7U 6N3 N6D  
DN5 D65 T63 3T6 TT3 356 43T 3U3 T63 746  
N4A 3U3 T63 4DA 45A 36D TA3 AR  
MSG AGN (Message previously sent at 1140z sked)  
NR 05 CK 27 49 0919 1932 =  
7N5 T63 NN6 45D (Cont'd) AR  
A HR UP SB GA

**4327 kHz, 19-09, 1127 UTC**

VVV VVV  
H HR MSG GA  
NR NR 754/CCK CK 200 68 0919 1900 RMKS 9013 TO 9037 K  
R GA K (Both stations on this frequency)  
MS RM. GA 1P  
GA =  
4T67 ANU6 5NT7 A4T3 4N37 D74U N3DA 6U5T (Cont'd) AR K  
R RPT 1P 82W = = 7563 AR K (Cont'd to repeat groups)  
R QSL 1943 K  
R OK AS A HR WK NR 18 K  
R OK HR WK NR 38 K  
SK SK  
R SK SK GB GB GB GB GB

**4535 kHz, 19-09, 1111 UTC, i.p.**

/CCK CK 91 45 0919 1900 RMKS = 2996 TO 3908 AR K  
R = (Message format indicates M95 family)  
UA3A UD34 N AS AS  
= = =  
UA3A UD34 N7ND U665 5T7A (Cont'd)

**3300 kHz, 28-09, 1556 UTC, i.p.**

NU64 A73D 6745 6745 54 = =  
NU64 A73D AR AR AR IR AR AR AR  
CK AG AR I AR AR A DE IW AR EEEEEEE  
BT BT NU64 A73D AR I EEEEEEE  
000 05 05 0

**4243//9054 kHz, 28-09, 1148 UTC**

VV HR MSG TO YR PSE CY  
NR 066 CK 22 35 0928 1532 =  
5TD UTT TUD 3U6 7T3 7TA N44 3A4 35U 4A5  
N3D 4AA U7U N4A 445 3DA TTU TT3 773 446  
3DU 4D6 AR  
MSG AGN  
NR 066 CK 22 35 0928 1532 =  
(Repeats message) AR  
A HR MSG GA  
NR 56 CK 132 35 0928 1640 =  
UTU TUD 3U6 3A4 TTU N44 TT3 773 35A U4T (Cont'd) AR)  
MSG AGN  
NR 56 CK 132 35 0928 1640 =  
(Repeats message) AR  
A HR MSG GA  
NR 042 CK 20 35 0928 1645 =  
UT5 TUD 3U6 3A4 TTA TTU TT3 773 35U U4T  
353 4A5 336 N3D 4AA 446 4D6 N3D 4D3 3DU AR  
MSG AGN  
NR 042 CK 20 35 0928 1645 =  
(Repeats message) AR  
A HR UP SB WK AR

**4364//8073 kHz, 28-09, 1137 UTC**

V BNGC (x3) DE XSV85 (x2)  
HR 7G GA PSE CY  
NR 0867 CK 160 35 0928 1531 =  
TUD 3U6 3AN 3U7 TAU 773 353 373 (Cont'd)

**UM03 – Chinese X2M net**

**8250//8410 kHz, 21-09, 0840 UTC, i.p.**

T6U43 D5A7U N6UA3 UD5N6 (Cont'd) AR  
05 05 CK 100 CK 100 TIME 1540 TIME 1540 DATE 2109 DATE 2109 =  
T6734 73NT6 5T3A7 T576U 6NU53 (Cont'd) AR  
07 07 CK 100 CK 100 TIME 1546 TIME 1546 DATE 2109 DATE 2109 =  
A764U 435AD ANU43 6UDN5 DN56U 73ATN (Cont'd)

**9160 kHz, 21-09, 0823 UTC, i.p.**

QSA

NR 09554 NR 09554 CK 50 CK 50 = =

TRPNY DPINI PWGAC WABWK (Cont'd) AR

23W (Other station also on this frequency)

VNSIR ?

23W

VNSIR VNSIR

24W

FPBYH FPBYH

QSL GA QSL GA

R Q NR 09454 NR 09454 CK 46 CK 46 = =

HLEIPYHYL YNONG XLEBF DXUCJ GNKCM (Cont'd)

16W = QFMNO IXGYA XHPGY (Cont'd)

17W FM

16W = QFMNO IXGYA XHPGY (Cont'd)

38W TNLTC TNLTC

QSL QSL QRX .. VA

IG?

QSL QNX VA

OK VA

VA

**8250//8410 kHz, 22-09, 0101 UTC, i.p.**

ODSIY JZBQS GUJLA MBDSV THWYN ZOQFI XZRGU (Cont'd)

AR

ZOMJ5

CQ (x3) DE X2M (x2) VVV (x3)

MSG (x2) ENG (x2)

CQ (x3) DE X2M (x2) VVV (x3)

MSG (x2) ENG (x2)

MSG ENG

01 01 CK 100 CK 100 TIME 0.0. TIME 0806 DATE 2209 DATE 2209 =

TVKNC LNCFU PRGJY JYNQF CRTIL JLADS UVXMP YPEWQ (Cont'd) AR

**6710 kHz, 22-09, 0959 UTC, i.p.**

WAUZE KPNYO FUYLQ OWSSL (Cont'd) AR AR

NR 62128 62128 = =

UP.LW .TDPI AKREBP QIGED ESKWO (Cont'd)

**9251 kHz, 25-09, 0722 UTC, i.p.**

NHQQP NCM.G PYNMR FMWPY RUY..

**8250 // 8410 kHz, 25-09, 0730 UTC, i.p.**

11 11 CK 100 CK 100 TIME 1427 TIME 1427 DATE 2509 DATE 2509 =

.QSKZ UWLOD MODFV (Cont'd) AR

13 13 CK 100 CK 100 TIME 1433 TIME 1433 DATE 2509 DATE 2509 =

KNCET CFUWL UJYAP BQSJZ WLNCF ADSUJ MBDSV (Cont'd)

**6795 kHz, 25-09, 0742 UTC, i.p. (very weak and fading)**

UBAMD GW... ..QT IKRLA FUXM. .. (Cont'd)

**6710//7086 kHz, 26-09, 1020 UTC, i.p.**

AJBGX IXLXY UTAMQ MLTRH SISTW (Cont'd)

NR 63618 NR 63618 = =

NNNXX ..KB WTSZK SRHWR JJNRP ..KS. (Cont'd) AR

7G

NR NR 63729 NR 63729 NR 63729 CK 75 75 A =

KQXRK PXLWY ATJPI NAC.. SPDQD DJYIG (Cont'd) AR

8E 7A84 7G

NR NR 7 NR 63218 NR 63218 NR 63218 CK 82 82 ZEP. P =

CJ.UG PJTMK PZDBJ KVSHY ZQN.. DDCUN (Cont'd) AR  
 7G 7G  
 NR NR 63418 NR 63318 = =  
 NJ.DA FVWXN GRJ.J N.... (Cont'd)  
 3OWFM 3OWFM BBP.P PIJWJ MEIGJ UVLCA (Cont'd) AR  
 7G 7G  
 NR NR NR 63418 NR

#### A note from JPL:

I noticed that when the operator makes a mistake, the question mark ? is sent.  
 This is the same procedure used by M89 and M95 stations, so UM03 might be connected.

#### 6710//7086 kHz, 26-09, 1020 UTC, i.p.

AJBGX IXLXY UTAMQ MLTRH SISTW ... NR 63618 NR 63618 = =

### UM10 - 10-minutes net

3542 kHz, 05-09, 1753 UTC	5DNA //4116 kHz
3542 kHz, 05-09, 2156 UTC	5DNA //4116 kHz
3869 kHz, 05-09, 1757 UTC	LH5N
3869 kHz, 05-09, 2157 UTC	LH5N
3542 kHz, 08-09, 1856 UTC	HDNA //4116 kHz
3869 kHz, 09-09, 1929 UTC	LH5N
3542 kHz, 11-09, 1225 UTC	HDNA //4116 kHz
3542 kHz, 13-09, 2026 UTC	HDNA //4116 kHz
3869 kHz, 18-09, 1928 UTC	LH5N
3869 kHz, 25-09, 2054 UTC	LH5N
3542 kHz, 25-09, 2054 UTC	HDNA //4116 kHz
6790 kHz, 27-09, 0522 UTC	JATD
4116 kHz, 30-09, 1526 UTC	HDNA

## DIGITAL MODES

### F01, F06, F06a, M42, M42a, M42b & X06 - Russian Government & Intelligence

#### M42 – various modes

16218 kHz, 05-09, 1328 UTC, FSK 50/500	Russian diplo/intel.
14566 kHz, 22-09, 1132 UTC, FSK 75/500	Russian diplo/intel. Header: 11100 50080 48756 22013 04009

#### M42b – FSK 50/500

#### 14380 kHz, 03-09, 1037 UTC, FSK 100/450, i.p.

RZ ESYZA NQLNC XMSUS AACOG GEFLO SZEGT DNLCO MRFXM VHTVP  
 XUPYB JFLC( \*?-UA XGBHZ LKWHY YSDQK HOMKF NIHUZ YRVML VLUZS  
 VKCTR DSMGK YPAKZ NZHOT IOLDC YAUZQ IQLLJ FODTW NRLNC KWDTK  
 XDAKG FKIVF IDXVQ IAGMT CBNPR PBNUU ARXCD FHOOE VYKST ACWJQ  
 PNSCD JTEYO BYHAD NIKDY RYWBS RDUNM LFAJ FQFLO VOPCP SPZES  
 XVSZY MMCHC QUHQB SXRJX HSXYX OSONX HMUBH VOUEX YNTFG UZDNX  
 MURMV OANDQ MMCJN KEDGD AEQTL YNKCA HQXBC SPFHU VUGXD WJJZP  
 MCVEV GDLTH NCZKF EXJO REIAD NWNWX EKZAO VIRIB YVGAI LCOIN  
 CATKC WZYLX XQHXX YUUPC CQZIQ HTUWC JAECN GYMKG MFCVE UTYSJ  
 CWBEE TNYPL CYMIA ZQANY MZDOV IMID ZNZAR EVGEK SIEQ KDGLS  
 EZSJO NTFDC DDRDF KJBQN NIXZO NITVV MBVEK LTGJW KPZBS HNDID  
 SXORV CEGYB BKCYQ OJJUV HGKJH EQUHA ABZOS VSYBQ ZECDD STMDQ



JNWTW EXOAG QAHP BKNIZ CSCF XWZLA PVNNO LROZU UPUEE LHRWJ  
EVLYZ RVWSH YJELW SWQIX MDMGJ STQJP ZQNNO MEMKY VIJZV HTTZC  
QLHEU QXNGI FIYUV PITTLKB ZTUUT YLEFR AXOOG ZVQZP LOZOT SRTYB  
UXWRR PPEWX WWWMM CNJSN AFBV VUMQS PLMC JDTPB QNYNA ORNWM  
AYREY NBTZR NRCFD GQGAF ISTIF VWZKU LNTCR RRUMT LCKQH NWXVY  
EFRXP YUMXF GISBN LTFH XSLJI SYHRU FWBYV TXQHU VNDPP QCKWH  
TUBFF KZETR AAPBZ KWWAD QXTVO KNQWK XRGBY LLYPG RPPGT HQPFT  
TWQOT HYHXU RXNZY MKLKA OIET SVMLJ ISJPR FIOSH OERZO TSRLU  
AVDAV TUSIF BQXMF PRPFK WUOPT FOWW IXRNZ PITHQ BLGYX NPPEX  
ZCRPS MUDCT BMSSB RHKMR CNCLO ZYDOF CPHTF BIBGK UHXMA ADJKQ  
APFEA TEAZU FBKNX ROFSX RPEQB GRHSD ZSSE XSYVX XAYJP XCEEX  
DWMHO NOHWI NVAFA ZAYEV XEVVN LTRX PVDD MSTTP BGKEO KFOKK  
LHOGF DTAXM ZMIXR MJKHE ZJNLN BYSRI CCSSK XYGXV UYKDV BREY  
JMHYA WZYPS ITWAO GZMOW TXO SVFXI FXPI XLHXC BFXYG MFFAU  
EJDBD RYYYU GDCDS KAGTX IWFIT NWZUY VAIYB LRZJR TPWYT PKVXG  
VHCAQ WNOXH NSIVS LGLKR

Opchat in FSK/CW: CFM QRU? RQ 1TT QBN K

**12200 kHz, 05-09, 0834 UTC, CW**

NT9P NT9P NT9P DE K4MT K4MT K

**12164 kHz, 08-07, 0720, CW**

NT9P NT9P NT9P DE K4MT K4MT K

**12164 kHz, 08-09, 0736 UTC, FSK 50/500**

192 141 8 0505 1557 =

03349 72174 92823 40346 84915 61378 71906 82056 60468 08023  
43729 66824 33615 95229 46752 06217 71563 37129 73223 98639  
97833 86413 86172 61819 01047 51446 01261 59431 11262 77124  
58574 48505 35566 72771 36268 16996 37931 60373 41654 41546  
74894 21399 56096 30285 88542 39052 99912 24166 33151 96362 =50=  
06855 42038 20973 53250 83488 37346 70560 58490 42054 65218  
78210 86064 89510 07957 36830 10035 92743 46953 32547 87342  
07799 90055 19217 28174 89064 01715 50686 20931 67578 27517  
68913 89249 80007 63409 37258 39920 02649 38130 08845 25608  
52429 62667 36948 56542 99443 83856 73111 57983 85036 33376 =100=  
98939 28332 04590 74334 61167 36080 44408 98016 01470 52008  
63548 46166 49041 87902 18722 53055 02343 02934 33594 05824  
64101 57982 39615 26202 20340 22594 67417 07358 29160 19826  
29504 41788 07312 88660 95799 88258 35098 72545 50736 27732  
62427

Opchat in CW: QRU ? K

F01 – FSK 200/500
-------------------

**13384/11441/9184 kHz, 02-09/09-09/16-09/23-09/30-09, 1810/1820/1830 UTC**

Null message: )5761 00000+++++++162

16340 kHz, 27-09, 1143 UTC.

5FGs offline crypto

16340 kHz, 27-09, 1412 UTC. Raw message, as sent:

2/0518091769653149=85741	4228289031868094081=83344	0528512514578904146=82347
9465074206146174108=85842	5258751379177849041=86344	1671814384777525157=84647
0305551622345229178=79242	6336885736273589151=83444	2655965637155861108=87847
1241052200177258070=87142	7575378737378749043=86644	3717821007977501210=80047
2464431690745411124=80542	8348712542587400155=84644	4816625250719820120=87047
3391151797082925110=81242	9997479913599780104=87345	5639859824196152076=82547
4396967882189170146=78542	0172475921017221073=83345	6716136729731543106=79347
5371191791896917085=81842	1546869882165379046=85945	7398877384037529081=78747
6403192442910911106=77042	2197116377078208085=84745	8230033425893870129=83847
7740452506514766150=78742	3218659408389714115=77245	9771097405534291124=86048
8300969598374420136=81542	4177715118353304074=80545	042863415808988177=88648
9666042804410594095=85743	5136939872030677065=84745	1892358744151670132=82248
0871593426845823127=83243	6824422359246103172=88745	289314549432333041=87848
1462691308237708112=82543	7598431706435851033=84545	3318226476377318145=78148
2531777312082292152=83943	8489784309945397120=87945	4303505300563471156=82848
3135194604611989120=89243	9560554013952619122=87246	5919634552020769044=80748
4823412521739108191=82643	0289614298556122124=86946	6135077540884609101=78848
5902601213569428003=83943	1386729675624330102=80346	7410377280697613121=85848
6130463347319755061=85843	2287022252388336149=85146	8652955667792764108=78648
7178135357082233158=77343	3161866370731640105=82246	9324055569456819149=89249
8101752378482827152=83943	4198795242852318127=75345	0566968855788399153=79149
9873344805218651046=92644	923226602088421092=83746	1365856779365841085=83749
0785998432221734050=79044	6421667308514273064=81146	2782554710810784157=83749
1274991728369429176=84244	7811456993047372035=80446	3915886893065548102=81849
2997922080393144085=82844	8165421598677511125=80446	4589078928012379155=86249
3206933088973404042=80044	9591629647292147072=82247	5712444407523148107=8634?

16340 kHz, 27-09, 1433 UTC. Raw message, as sent:

0136029210316478148=87317	5378272901863853047=79119	0471193080615327186=88622
1906576351013384091=83717	6371413820224705119=86319	1425906072964471106=84222
2711883836614082=87517	7589084327652372146=83219	2235547123493303237=82522
3796097629757045091=87217	8460284784228957126=82219	3956036344423608154=79122
4235884236545841066=82417	9325593914358614196=79220	4307276824325088135=79722
5569746391815509178=81017	0367971513895617167=85120	5436333453931019040=87222
624577728825038110=85817	1101069926090613133=83120	6766939836179244158=84022
7533493023969662145=82917	2414842387679444150=83120	7488635468892322154=81822
8562119331832452157=82417	3779084290267619129=80220	8582163266118866110=78722
9768157535258918188=85818	4339541922295446069=84120	9312493742144496085=90523
0818309015012428105=79218	5529727307622588244=83020	0683695822749824135=87123
1852155133859812151=81618	6811748778171497078=88520	1969302251165530008=80123
2518292094854481079=76818	7144503015352293124=82820	2802331897493842110=81623
3181276799368070124=85318	8491107485247082107=81209	3288427721862476038=87623
4504931504529622141=85418	316472346773880234=85821	4299502917090119091=88523
5672934965272972074=85818	0367857398626046187=88921	5991956803334807085=87823
6875331918470851109=85918	1896983992259143083=85221	6815171615057469147=82623
7317671507437666136=88718	2733797282516763081=85121	7903843740084891159=87023
8971191456686585148=83318	3973338204840305096=83721	8248809577033118107=86223
9689499471689014122=79419	4451241479811480109=78421	9647048673032075121=85524
0441653605538826229=80019	5229067629615931166=85421	0590007366144587120=77024
1859954700383308148=89419	630597382258224043=80221	1145304389442702132=78424
2941224137834615104=87319	7821706632623077095=76921	2235052773661544092=86624
3988314642329026043=85119	819252879736544107=87921	3907232666714021070=84124
4981746604586320102=85819	9831331475935629104=83322	4824814661833191105=79524

5626003581391225150=84924  
6874089737634878087=85924  
7877152477610547117=80624  
8328885730087278145=81024  
9549645093989551091=87525  
0108308483422253009=85825  
1243357379819238124=80525  
2778207754055857090=83625  
330141816182237126=83925  
4790016961332428125=87525  
5567178439032198146=83725  
649+128493755087053=84125  
7966136221592913121=87425  
8796039374477989245=88825  
9918577056055655125=86726  
0797992347570679093=80026  
1256571448790820170=86626  
2973288672488370189=86326  
3663304633710799186=82626  
4130472072832997143=84126  
5523609566578085106=78926  
6389734788168137038=85826  
7218864103637740029=88526  
8195986958765254003=89426  
996850393867873013=87427  
0575295504383217149=82927  
1383504237159942097=82427  
2167209870196280102=82227  
3175194051744109087=84627  
492747308230555098=88427  
5667408496961592127=85527  
6944818060060618085=87327  
7743122020559333092=83627  
8611624959228063131=80927  
9946363704227008189=83028  
0512234376315710142=78928  
1375035128334511179=96282  
818014156817185162=80428  
380404774137145158=80328  
479620893332162608985428  
5502213995215705179=84628  
6145345015865038033=86428  
7656968975183102098=86828  
8643897438774383129=89328  
991:329139615606159=88129  
0251969710643109176=87529  
1664799456667620036=83629  
2382812613574806107=82529  
3207863583190407105=84129  
818814745730629098=88529  
5118335316235163091=88729  
6519929086031743116=85729  
7813034525096131148=85029  
8456862668277528091=73829  
9512924187964635147=84030  
0844019835849201148=87530  
1420222664065336112=84130  
2326761299376108=83630  
3511575653171258088=83230  
4886147716073091059=85030  
5317771508429978124=81330

6831843682818434119=78630  
7229603696835117122=86330  
8904887826166996094=87130  
9451245266355355094=81531  
0843258468671995140=85431  
1396628151587322107=87231  
2708922847952317106=85631  
3321501947895242187=78631  
4288711180148850150=80131  
5849862715540132092=89031  
6934204011567101106=80231  
7185372060435363088=84531  
8755345572878027207=85131  
9208893005452713075=80232  
0828855971724228158=76632  
1602075550385121164=86632  
2786869782175781062=86232  
3925139465282839069=84232  
4335038408799995176=84332  
5636356750730110141=85632  
6207377604540715087=84137  
461014157986443117=78432  
8141285246956841155=83932  
9253545621571070158=84533  
0755614619144248127=88533  
1895394346210029064=82533  
2868392597594682039=83833  
3859409881518185087=89133  
4600278881071821092=82433  
5175358255883581142=88233  
6396361865915161065=84433  
7160802278757630150=81633  
8125786962972985090=80533  
9587933069938546182=78834  
0505126689072795109=77634  
1300527282416329151=85434  
2575078283165692129=89534  
33285883956513124=86134  
440948287713975092=78634  
5125141913618594124=88546  
215196676721172020=83234  
7811492975269966036=87734  
8582991047858739179=87134  
9210953053049093164=81835  
0839192742155422028=83535  
1314275056887119035=79035  
2231112452453506109=84135  
3974029470457481140=83935  
49991793436666181388535  
52338519684706126=84735  
6431387965067954079=82735  
791438812916694076=87835  
8557887645318081128=81035  
9978804177974999103=78436  
0214465630369632111=84036  
1649524370654337137=81736  
2124343362337774077=86936  
3690523213432731105=81336  
4824384181998837211=85336  
5577147056792124=72736  
697015815996348603087236

7895497225856002064=78436  
803394388278674031=83236  
9322659012078568078=81437  
0685144507312275056=84537  
1128514750735898274=81937  
2406265803363357096=92137  
3789998985252194093=79937  
4845769132298986119=86837  
5715926292252473046=84537  
6511412518051748105=89037  
797143552042234143=78737  
8310266419464500056=83237  
9299084431533069075=87338  
0884237938835344099=83638  
1912751689561242098=87338  
2219011345675258167=84338  
3824558912917453121=84138  
4570327045218625140=82938  
5233744891359766105=832+8  
6385549066246910105=77138  
72407522897679361=86338  
8782697739787845176=84538  
9125856626881973157=80839  
0258114754488869149=84639  
1770535944592325106=82639  
23302470464781151=85439  
3554593215711813151=82539  
415911285972043811=85939  
5292866751170205057=82339  
6578404817371916153=83539  
7610716505240185083=78439  
8284694289842770188=85239  
9189359916714744103=87840  
0347463671193613164=82740  
1861577593968131122=84040  
2307201359023018145=83840  
33253419541616109=81740  
4429733878899127104=84340  
5866293730148545140=86940  
6883735534778731149=77040  
7882461150215777106=87840  
8774131624640524128=84340  
9998603232580282154=88641  
0657999045671143072=86841  
186529404784162089=82641  
2157784202932338148=84541  
3352083220725503117=84741  
4475131058070851142=82341  
5162454909717747097=85341  
6132001651023993049=78541  
7437251063513854086=78441  
8660518091769653149=85741  
9465074206146174108=85842  
0305551622345229178=79242  
1241052200177258070=87142  
2464431690745411124=80542  
3391151797082925110=81242  
4396967882189170146=78542  
5371191791896917085=81842  
6403192442910911106=77042  
7740452506514766150=78742

8300969598374420136=81542	4177715118353304074=80545	0428634158089888177=88648
9666042804410594095=85743	513693987203067706=84745	1892358744151670132=82248
087159342684582312=83243	682442+359246103172=88745	28314549432333041=87848
1462691308237708112=85432	7598431706435851033=84545	3318226476377318145=78148
531777312082292152=83943	8489784309945397120=87945	4303505300563471156=82848
313519460461989120=89243	9560554013952619122=87246	5919634552020769044=80748
4823412521739108191=82643	0289614298556122124=86946	6135077540884609101=78848
5902601213569428003=83943	1386729675624330102=80346	7410377280697613121=85848
6130463347319755061=85843	2287022252388336149=85146	8652955667792764108=78648
7178135357082233158=77343	3161866370731640105=82246	9324055569456819149=89249
8101752378482827152=83943	4198795242852318127=75346	056696885788399153=79149
9873344805218651046=92644	5923226602088421092=83746	1365856779365841085=83749
0785998432221734050=79044	6421667308514273064=81146	2782554710810784157=83749
1274991728369429176=84244	781149993047372035=80446	3915886893065548102=81849
299792208039314408582844	8165421598677511125=80446	4589078928012379155=86249
3206933088973404042=80044	9591629647292147072=82247	5712444407523148107=86349
4228289031868094081=833'4	0528512514578904146=82347	6747519775772290214=75749
5258751379177849041=86344	1671814384777525157=84647	7853716108418968153=83949
6336885736273589151=83444	2655965637155861108=87847	8681358348964662151=87249
7575378737378749043=86644	3717821007977501210=80047	9149543018643220090=84450
8348712542587400155=84644	4816625250719820120=87047	0933535677149194174=83250
9997479913599780104=87345	563985982419615207=82547	1250273812249979064=86150
0172475921017221073=83345	671613631543106=79347	2970535552400000072)581503++++
1546869882165379046=85945	7398877384037529081=78747	+++++++084
2197116377078208085=84745	823003342589387019=83847	
3218659408389714115=77245	9771097405534291124=86048	

**16340 kHz, 27-09, 1446 UTC. Raw message, as sent:**

(1461110069992000002701515069=8541	959601573088973043=82918
(1461110069992000002701515069=8541	957755698513766102=85019
594522936950283141=7982	104967436188010104=81820
410459498318918067=8273	249621110670474048=84421
610821237825978146=8444	328342598567068130=83922
466979890627447027=8155	497855181079641116=87023
110775969373971109=8246	665418950474531035=85824
161843834551849055=8427	823509206595321082=82625
392614682594100090=7988	621314445783761078=79326
509665125434792115=8459	388183041789492141=84627
247202737584244096=87710	177921619336478088=80128
244664674:24527097=79011	21558166909956914983429
555113172833446099=83912	16529210792126091=85530
269513582422572067=86813	247794919564565113=87231
636492473119863153=83714	499031883658000086=78732
810962580912561033=85415	983402253278/
307898978018745076=83316	(146111006999200000270151
591353163048007031=88817	

**16340 kHz, 27-09, 1448 UTC. Raw message, as sent:**

69992000002701515069=8541	555113172833446099=83912	823509206595321082=82625
(1461110069992000002701515069=	26951358242257206=6813	621314445783761078=79326
8541	636492473119863153=83714	388183041789492141=8462
594522936950283141=7982	810962580912561033=85415	77921619336478088=80128
410459498318918067=8273	307898978018745076=83316	215581669099569149=83429
610821237825978146=8444	591353163048007031=88817	316529210792126091=85530
466979890627447027=8155	959601573088973043=82918	247794919564565113=87231
110775969373971109=8246	957755698513766102=85019	499031883658000086=78732
161843834551849055=8427	104967436188010104=81820	983402253278796103=84033
392614682594100090=7988	249621110670474048=84421	804063092771218139=82434
509665125434792115=8459	328342598567068130=83922	423106272884182108=89235
247202737584244096=87710	497855181079641116=87023	689221066019387164=85436
244664674424527097=79011	665418950474531035=85824	756129726593444103=84537

910647939189157081=81838  
185866279029061039=85239  
274221079025506152=83240  
157632332294302106=84241  
861702117615230104=84442  
473885348737425117=87743  
841023525465138139=85144  
84762446413075003277345  
76262435981801505883246  
597072466287407040=87647  
579319599410721069=85548  
228811341711512076=84149  
383881918024835098=85450  
226909535136012127=85951  
279213274079499096=87852  
278416016575714131=86253  
85420308537706103=84854  
200625160342968212=82355  
536605961992675091=87456  
683223702640607087=80557  
621432302141329159=83858  
750242643842841041=88959  
356195767716103161=87260  
209708368934025064=79561  
437105318851867136=82962  
938761890343811003=89063  
692973975610518115=87464  
793598136043486044=82065  
230193098026162108=84966  
813425800756770091=82967  
334857102888099212=85468  
985108746620941052=83769  
919231308668618159=85370  
980262405642308067=85871  
22052577+4)=8  
39194164494400033=83673  
977302415798248152=85474  
703019551831735127=79275  
83320164987898015=82276  
546636450694668152=86177  
781492553472767149=88878  
666608370848583124=89379  
423273661020144114=86080  
746354866267912095=85381  
501329955634533069=80182  
903129049848691175=86183  
785615079934209150=80284  
241204070838195115=81685  
68784952142286435=84286  
369341074885631071=87787  
935945934032177027=83288  
998379166758787086=85489  
563039745067894163=88690  
964359003157451070=83791  
209687034437950096=80192  
596603890678750106=79793  
838692920392871093=82294  
145785739951655102=82395  
997927026378590081=84096  
458956218494292110=87597  
952358436284129064=82998

769033314984112166=80799  
23206206004206043=82210  
0894582061160976126=81010  
1174087027189882204=84610  
2861584414169029138=78710  
3487195648510685082=82510  
4385121674879275100=84410  
5290545264331460101=84310  
6133463787987476176=84410  
7289726158817989215=81710  
8395729359417632157=84210  
9302047305328243147=86311  
0811818046188515109832111  
610635661922656111=87411  
2601491564961376070=85411  
3163358988913383041=80511  
4856105602612289103=92311  
58390689765786109=84411  
6218654135386679179=81111  
7514372494894311211=84511  
8716428800112555159=85811  
9428235846391070153=87412  
0938864403610732077=86212  
1551044067117067049=87312  
2349934405492+78107=83312  
3339369008189749144=80612  
4362256398882642144=84112  
5159913267794507077=81012  
6473453594462293093=85512  
7936679758740295082=81112  
8962223041088758223=81212  
9772931429683841162=82713  
0710204833384574153=85513  
1161257900491642179=78313  
2411181305974320160=84013  
3650549314154069074=87913  
4912804712926712166=79213  
5972726980611219042=81913  
6346176916337164130=86813  
7869115283024751032=84913  
8172063905345161107=85813  
9959654945869807063=81114  
0673678779144381111=87514  
1734925679626023190=85914  
2598569034459666129=91114  
3429973441340946069=80114  
4801275112528218112=80514  
5399345234552836135=78914  
6990977950929747085=83514  
7419289426136954044=91148  
70981294222291910=85614  
9673286888182726076=85915  
0246964667317107108=91115  
1881889347033131032=85015  
2828004332613475062=83015  
3324667632437889183=86015  
4634134645279015127=78015  
5816327638623/0085=81815  
644686548390870132=83915  
7442159741175131123=78715  
8711695839394554074=83815

9840891572253436129=86216  
056816341790109070=84616  
163924735798705518=85416  
2814069053173230097=86016  
3184205728687435115=84016  
4289187606898796096=82116  
5433863155279667147=80516  
6776021896444799240=85616  
7387726735729354102=84716  
8128627307872790066=82516  
9596789349652899075=87517  
0136029210316478148=87317  
1906576351013384091=83717  
2711885738376614082=87517  
3796097629757045091=87217  
4235884236545841066=82417  
5569746391815509178=81017  
6245777288250308110=85817  
7533493023969662145=82917  
8562119331832452157=82417  
9768157535258918188=85818  
0818309015012428105=79218  
1852155133859812151=81618  
2518292094854481079=76818  
3181276799368070124=85318  
4504931504529622141=85418  
5672934965272972074=85018  
#875331918470851109=85918  
7317671507437666136=88718  
8971191456686585148=83318  
9689499471689014122=79419  
0441653605538826229=80191  
859954700383308148=89419  
2941224137834615104=87319  
3988314142329026043=85119  
4981746604586320102=85819  
5378272901863853047=79119  
6371413820224705119=86319  
7589084327652372146=83219  
8460284784228957126=82219  
9325593914358614196=79220  
037971513895617167=85121  
0069926090613133=83120  
2414842387679444150=83120  
3779084290267619129=80220  
4339541922295446069=84120  
5529727307622588244=83020  
681174878171497078=88520  
7144503015352293124=82820  
8491107485247082107=84120  
9316472346773880234=85821  
0367857398626046187=88921  
1896983992259143083=85221  
2733797282516763081=85121  
3973338204840305096=83721  
4451241479811480109=78421  
5229067629615931166=85421  
6430597382258224043=80221  
7821706632623077095=76921  
8192528797336544107=87921  
9831331475935629104=83322

0471193080615327186=88622	8328885730087278145=81024	6944818060060618085=87327
1425906072964471106=84222	9549645093989551091=87525	7743122020559333092=83627
2235547123493303237=82522	0108308483422253009=85825	8611624959228063131=80927
3956036344423608154=79122	1243357379819238124=80525	9946363704227008189=83028
4307276824325088135=79722	2778207754055857090=83625	0512234376315710142=78928
5436333453931019040=87222	3301418167182237126=83925	1375035128334511179=90628
6766939836179244158=84022	4790016961332428125=87525	2818014156817185162=80428
7488635468892322154=81822	5567178439032198146=83725	3804043774137145158=80328
8581163266118866110=78722	6493128493755087053=84125	4796208933321626089=85428
9312493742144496085=90523	796613621592913121=87425	5502213995215705179=84628
0683695822749824135=87123	8796039374477989245=88825	6145345015865038033=86428
1969302251165530008=80123	9918577056055655125=86726	7656968975183102098=86828
2802331897493842110=81623	0797992347570679093=80026	8643897438774383129=89328
3288427721862476038=87623	1256571448790820170=86626	9914329139615606159=88129
4299502917090119091=88523	+97328867488370189=86326	0251969710#43109176=87529
5991956803334807085=87823	3663304633710799186=82626	166479456667620036=83629
6815171615057469147=82623	4130472072832997143=84126	2382812613574806107=82529
7903843740084891159=87023	5523609566578085106=78926	3207863583190407105=84129
8248809577033118107=86223	6389734788168137038=8582#	4818814745730629098=88529
9647048673032075121=85524	7218864103637740029=88526	5118335316235163091=88729
0590007366144587120=77024	8195986958765254003=89426	6519929086031743116=85729
114530438944270232=78424	9968503938678730123=87427	7813034525096131148=85029
2235052773661544092=86624	057529550438217149=82927	8456862668277528091=73829
3907232666714021070=84124	1383504237159942097=82427	9512924187964635147=84030
482&814661833191105=79524	2167209870196280102=82227	084401983584921148=87530
5626003581391225150=84924	3175194051744109087=84627	1420222664065336112=84130
6874089737634877087=85924	4926747308230555098=88427	2253267612399376108=83630
7877152477610547117=80624	5667408496961592127=85527	3511575653171258088=8

#### 17471/14421 kHz, 04-09, 0000/0100 UTC

Too weak to decode

#### 13467/11084/9052 kHz, 06-09/08-09, 1840/1850/1900 UTC

Triple timestamp: 2017-09-05, 1650 MSK

60568 11554 09736 90984 73428 32972 50213 15965 55539 14689  
 33726 99563 40403 04327 23125 00248 46820 91491 09580 92682  
 18381 29651 65044 08229 55574 28741 14840 75426 21623 75117  
 96866 91750 55492 47179 12062 14274 66292 63570 47073 39436  
 65329 46776 94010 86408 76433 15617 41857 11432 98508 73600  
 30099 90935 36287 83230 72745 15374 03043 05467 30304 94038  
 65251 89706 51062 00000

#### 17471/14421 kHz, 11-09, 0000/0100 UTC

70997 32363 89108 98133 73279 41796 86843 41890 78691 58161  
 95946 27599 27255 96282 39150 86966 42704 75886 95333 90639  
 34511 00453 37534 56995 35543 14286 62060 16486 17569 48754  
 63419 04992 51767 93616 34719 84618 06455 54392 98259 15371  
 99199 81699 95974 26138 45527 83507 94436 58443 71384 56228  
 84089 81376 81570 95605 77411 01158 01305 73317 35695 13769  
 33129 90238 79119 74089 96335 42310 59818 79970 41090 59932  
 02620 94688 54460 06836 43152 56220 00522 49367 17996 46765  
 61731 32110 86580 20963 73761 20807 89500 16239 70977 98490  
 72951 93712 84746 25782 33959 83122 61767 01285 66102 30172  
 94604 83014 10411 69772 81620 56800 41127 73596 58487 62598  
 41015 45377 68468 14652 45909 62415 63658 76434 63193 86698  
 54364 76318 93886 94098 48825 74902 13033 95065 50444 19941  
 88079 45269 04731 49797 39931 69615 13139 31384 76363 48077  
 55984 43503 52495 36787 91633 41538 37991 22811 24150 64428  
 95693 36062 56581 69872 01369 66769 72082 08682 59249 61958  
 10059 74242 93073 99372 29513 88003 17291 62270 76785 06943

18136 63538 99883 63943 99252 92562 76574 77013 71555 83290  
48436 88293 92018 26913 78053 18791 81077 77629 71546 49765  
73327 24901 33617 66718 81217 30653 47307 26918 76413 54854  
95643 36395 18531 17916 67371 47345 85911 73338 13954 11886  
88141 89054 50031 53095 64999 60900 14522 39271 01509 06650  
34558 72356 13802 14058 59436 26455 85458 41343 56784 97387  
59036 93546 88110 49219 12450 23211 05946 68695 74911 28808  
39746 63526 62102 49370 62760 72245 00000

**5089/7337/9481 kHz, 16-09, 1600/1610/1620 UTC. Two messages.**

98897 54202 79842 58858 58999 65014 46657 62850 59311 22150  
79258 05683 98677 75368 79152 33437 75253 29193 12683 71456  
58887 23570 08068 78290 04620 20091 80274 38810 61970 67222  
50910 32412 59732 42975 55319 37259 70923 98454 54077 56496  
87612 50723 91065 77376 60295 98419 65314 99230 81502 58571  
08807 91227 18341 48029 87425 65852 23641 57980 67225 79046  
80412 94949 13238 92949 59283 86757 12970 62168 93613 76844  
41807 29524 01979 55421 12495 42207 12695 00866 75886 24285  
70091 29817 65150 66486 27202 79394 00627 19214 54575 69985  
97509 99718 19878 22037 43548 49363 17997 25283 38962 01934  
56307 83862 15743 48911 24808 85742 78546 12662 05814 69899  
34343 63470 02871 89695 03037 41361 93614 95874 26224 68638  
36229 87637 16280 64094 84213 05208 12973 94804 89133 62346  
39778 26465 96051 42249 77093 58203 61315 05249 94528 52792  
47404 81779 09471 98220 74507 49034 64106 61541 33532 14745  
38082 20948 90220 56529 39004 87006 35076 90251 37954 48987  
58765 65808 42213 07234 57708 13810 22379 77502 99523 91564  
36064 78209 03031 01826 15370 36530 12479 82724 10309 74282  
70721 92338 05378 59529 20981 36317 51460 34848 91934 12020  
80248 58188 45775 67590 93373 17276 93950 99411 43432 03478  
10272 36378 49088 56089 96068 84419 11451 12958 77076 29718  
23908 28399 36762 24055 92601 44331 15754 00719 09740 25576  
32074 94425 46922 95247 01860 63674 60679 31187 65263 38983  
27401 09359 47209 45438 49849 05171 07708 73006 02438 88622  
61402 93030 07479 74269 71047 44353 59555 11865 44596 37514  
56250 00000

23962 88900 47234 25299 63540 99037 46559 02110 33597 04624  
77461 03829 39832 32237 37959 21104 13337 01202 19857 63912  
33716 33513 27149 97314 26752 35350 52330 66771 09658 17360  
46556 92686 82583 45893 44591 38890 89743 42392 30471 84720  
98612 73103 54835 55418 70615 96310 39848 90500 21776 59283  
32667 54815 96723 62107 93364 21962 04535 30606 28285 84752  
89818 65530 04723 72421 37492 60199 07909 79258 34694 03795  
26205 34347 38256 12479 75461 67119 21182 55541 98477 48381  
96563 68739 00494 11527 42387 72048 06650 83613 75641 33985  
52369 80977 49189 49696 42572 49107 69828 25020 40691 51412  
60976 83671 73395 36670 18435 39781 61984 39651 32641 02934  
16374 94880 75872 07927 52622 67970 77824 86421 19922 34356  
38009 22670 48008 60074 48404 60550 91318 64283 24793 53867  
48003 68204 70237 77763 88242 60184 19116 42349 88610 31547  
35159 76805 22627 62946 61935 75515 19900 65882 49213 23621  
62659 09092 03637 44160 90188 84480 37156 33973 47115 92302  
11653 80663 64748 50254 03190 77122 63506 56194 34330 77838  
81109 59152 47960 60787 72887 18336 21049 90486 34736 54809  
41796 97355 40906 25531 98586 16265 05463 74448 54203 51344  
75112 40332 03735 59258 14295 26025 39604 68113 68511 58819  
72171 74214 16812 96623 79333 83822 49370 59623 83572 92134  
31104 92113 79877 16647 37266 84199 62982 27107 71942 08042  
27366 39233 05400 48348 38430 64390 91217 31782 98317 32413  
49144 84990 54795 29756 24613 75932 26631 20167 60851 18192

43927 40067 44536 42969 26823 85827 10908 68434 51012 35121  
19303 21137 73525 69549 35036 89142 17190 90727 78559 11606  
37228 47012 27853 34452 18419 13055 84967 86860 76264 89386  
42672 58238 60596 14204 12132 80359 85061 04545 97560 44386  
30926 69054 28782 07423 98627 59518 87640 68317 05531 53346  
89198 17388 ... 27969 57314 00000

**17471/14421 kHz, 18-09, 0000/0100 UTC**

26145 42831 60739 30986 52397 68463 09502 21463 56362 37506  
57335 56459 24064 07490 03985 70126 78386 28457 52753 19482  
81925 75956 69259 46948 93451 52118 80526 44558 32673 28220  
81598 55754 32994 27204 41847 75725 86935 69569 28194 36217  
13933 31078 87397 85742 05175 85721 54619 01160 25188 32370  
80442 91512 74839 28560 93537 80111 45459 79841 41160 75764  
18759 58130 74664 69110 92242 47505 72230 14985 34792 40880  
15978 86760 02111 35992 65670 13596 66727 04150 96180 36533  
42231 30165 90920 44384 06433 46919 08411 75327 53142 12992  
64181 95181 27248 06797 95199 88266 22777 35658 98994 21798  
48640 83262 64687 69760 91734 43934 38088 07192 32099 17158  
88081 10807 89805 60795 66452 26912 08283 26432 78367 92544  
03745 25288 05682 20767 35423 98132 50270 86062 76292 87644  
89561 70761 88965 36645 61467 58448 36454 60653 20898 85270  
82476 68189 35044 85100 61015 27275 09612 89476 19784 01559  
63210 68275 67321 04510 92066 22039 78379 45113 92258 61899  
37299 63512 31661 38036 24068 80021 88776 02616 72730 05963  
00661 18132 56863 89753 87105 47096 81774 96682 43287 84016  
88138 45822 18054 15593 96741 52500 20051 20080 49025 49777  
18857 41741 23119 87369 33338 01343 30056 31444 24387 28617  
19841 13737 34248 27638 52073 03419 39616 11042 10813 00158  
10680 64036 68366 71808 93325 24133 27688 85165 56663 87532  
98079 03227 73069 78115 83885 47388 22950 39967 90854 48030  
41381 39371 79870 31911 48846 87213 22731 19817 33236 17743  
39670 32903 75302 84602 23295 77245 00000

**17471/14421 kHz, 25-09, 0000/0100 UTC**

14775 42565 10218 71790 20238 10644 54717 16281 59991 32531  
62851 65978 31247 90839 05476 39096 19778 62955 87072 20824  
40374 42028 44458 25574 91830 30712 09242 78080 06194 06106  
26261 74282 96919 79311 45150 07928 35651 98069 27241 73836  
12295 65892 34988 83770 58085 76138 96098 55824 36327 84466  
59552 63300 30501 68112 85713 53988 84413 45407 37705 75794  
74095 53999 66236 69656 16119 11196 05088 15676 42030 04876  
19417 43419 93580 88407 74083 42311 18452 78005 14195 33062  
71151 75963 75024 86072 48770 68209 63534 97743 16301 69611  
78652 60638 01180 15478 62511 88424 61766 22678 99833 81546  
59431 68841 07647 44548 88944 63052 82518 91002 46857 06489  
97495 96970 42547 66437 65947 88934 81644 12130 14479 77140  
76494 85831 32121 70293 63361 07618 87974 32528 31065 37281  
34503 68612 90722 41811 38649 48304 41295 41865 07984 05809  
10621 35696 04047 75271 76627 23942 60093 48240 98398 83749  
45421 64042 11807 65637 43460 69007 69367 11559 35827 05472  
29032 17592 09522 16512 21586 89689 29452 77332 51351 65947  
43486 89256 09880 03798 12204 97248 07314 55594 80545 16907  
51119 81004 33545 81873 26865 69661 03331 47587 60739 72505  
19582 12320 68497 65256 20630 41441 20514 92445 67396 05839  
77646 65462 27344 70436 77578 13030 20637 93749 76343 07575  
45698 24415 74707 15895 26348 05623 84108 47598 47707 23404  
11831 99722 73063 59701 70102 20987 58880 36163 38814 44110  
10137 59592 36526 59635 43186 04999 79478 29688 48327 97184  
33264 65123 69262 76807 86874 82245 00000



Link 00016 via Cuba

**20618/18048/20618/18048 kHz, 15-09, 2230/2240/2330/2340 UTC**

11177 00116 18304 15037 01389  
89372 70647 02916 38285 92034 77165 54681 05189 18109 73912  
62665 05431 98776 87325 43575 65958 33199 61714 02580 16970  
51329 99606 43054 14585 19967 90597 66818 92954 62767 17186  
80786 69618 59661 75563 02598 23861 66134 09682 64230 50728  
02354 30718 87422 12172 63608 87089 98426 87859 83647 15944  
20000 81719 90934 73178 25312 12926 46969 94095 10723 32871  
61912 14607 36522 43964 67462 99678 75267 47118 06660 90587  
04660 06265 24142 01034 04062 27275 19006 20249 99503 70494  
89008 22562 18130 77214 11363 86635 23726 56802 23248 23857  
28877 35390 81655 22125 65889 93470 11018 75306 61828 54396  
85185 29076 00732 70713 37639 69598 17538 07734 65558 93966  
41507 66816 82537 35518 17682 47733 37789 64645 42097 75446  
56514 95271 70061 02586 32031 92667 41314 91110 21257 35015  
86719 02398 03157 77098 03148 90513 37136 00000

Link 00017 via Cuba

**15672/13892/15672/13892 kHz, 04-09, 0025/0035/0125/0135 UTC**

The 0025z and 0035z broadcasts were sent at 400Bd/500Hz and took half as long transmit.

The 0125z and 0135z broadcasts used the correct 200Bd/500Hz and transmission length.

11177 00117 68423 01036 01779  
32721 34941 95741 22162 02297 43561 40312 77981 07601 02519  
71312 06874 92445 91289 60640 94546 63995 21309 91345 85733  
89553 86033 61870 51103 00454 24999 49816 39334 61561 72292  
81247 86377 23725 37681 36403 58509 98024 90120 06390 83873  
10050 31801 79103 59484 69290 30337 94991 94206 59561 14372  
73392 44499 38329 54394 95573 90727 29050 41793 62125 39188  
70527 91963 68466 72741 00644 37347 21795 68955 21599 16210  
53219 76820 64336 90485 12973 80923 18741 63855 01264 85625  
26913 31526 94460 74379 00226 90355 87170 60413 02960 93543  
64319 10945 62591 77411 91387 49313 87938 84008 68238 50592  
68528 36787 26629 70372 35178 94164 35487 33501 45707 89939  
46455 56062 69929 65538 67360 26930 87652 40068 54946 83236  
22470 49654 64251 61377 12108 90134 85822 06361 05742 00339  
04334 24538 11315 81339 75449 67210 13776 39104 11864 34770  
74530 72993 02799 52083 59656 30207 47301 67578 89078 03103  
67322 15338 28580 86933 74371 39642 02957 46491 23181 38924  
51001 33000 22247 98547 86006 43758 10930 26438 67081 98164  
85015 97062 89502 72817 79798 36175 00000

**15672/13892/15672/13892 kHz, 11-09, 0025/0035/0125/0135 UTC**

Note from Danix:

These Cuban TX's were pretty interesting tonight.

- 0025z: Carrier only for 2 minutes
- 0035z: Carrier only for 25 seconds, silence for 35 seconds, carrier only for 2:50 minutes (on the other tone for 5 seconds around 2:25 into), silence for 5 seconds, carrier only for 45 seconds
- 0125z: Started by sending the last 10 seconds of transmission, silence for 5 seconds, carrier only for 2:10 minutes, then normal transmission
- 0135z: Started by sending the last 10 seconds of transmission, silence for 5 seconds, carrier only for 2:10 minutes, then normal transmission
- Also worth noting how the message is dated the 7th, rather than the 8th or 11th.

11177 00117 58421 07037 01179  
93745 25474 43078 68843 14920 68926 64950 48717 27226 10615  
94909 17711 59776 73656 39481 29390 88509 63856 11598 48103  
04444 76317 59621 78574 18597 53883 18964 33386 04888 97764  
30309 25405 94692 24775 48128 93680 21051 10850 64625 86284  
72406 29908 13110 34039 19693 38056 64004 62675 69872 82996  
02761 32159 91491 07587 04804 29610 42220 55290 28380 40919  
62544 99360 50294 35174 31469 42264 12889 28886 83833 38047  
68906 87903 33732 65265 87960 41048 70862 47939 28301 78915  
49257 49945 93570 81997 82534 90201 96212 07311 90567 74064  
74858 26066 46289 60701 01377 26452 02909 94510 37886 04676  
09759 78533 83793 78741 90988 58437 13809 79932 43712 20217  
51741 71117 04085 16621 96480 37115 00000

**15672/13892/15672/13892 kHz, 18-09, 0025/0035/0125/0135 UTC**

Notes: Faulty transmitters for the third week in a row.

0025z and 0035z: constant stopping mid-message and restarting from scratch, carrier in between the pauses

0125z and 0135z: carrier only, transmission aborted

11177 00117 96235 15038 01449  
01992 00739 76493 38037 15122 13274 59649 04179 05566 10415  
24357 56275 74538 63471 39817 42985 52207 15632 10885 64923  
27228 26216 08928 85548 98976 45357 69511 55906 62776 75132  
92000 87514 50403 77877 43130 71786 10830 02965 43705 07284  
25738 91199 70966 28816 57937 45574 91994 90511 78286 80584  
15110 95664 25516 00973 06245 02752 39070 06784 40191 81491  
79714 42849 39836 05404 84403 80749 83875 44938 88791 69809  
29399 97963 06683 35720 73872 13395 32483 59267 56317 95289  
28205 41002 53623 97514 28282 99919 85735 49849 32494 89332  
97325 53647 64237 00706 63813 41486 87519 38394 25941 84177  
94087 54092 80031 16266 68375 46173 89999 86388 66882 11838  
60807 36556 93504 49377 15693 80786 55835 79134 74944 68598  
52311 91369 13498 17930 32659 23784 73636 92720 84535 54259  
40405 35023 40623 21714 99064 51106 26769 41456 71654 19700  
11137 61873 38142 00000

**15672/13892/15672/13892 kHz, 25-09, 0025/0035/0125/0135 UTC**

0125 UTC: Transmitter cut off early and 0135 UTC: not heard

11177 00117 35197 22039 01999  
04496 64198 04905 50160 28849 83449 17576 24255 05297 76812  
03287 46380 49797 51378 09521 32733 23861 60919 15094 96824  
65347 47140 48334 61554 66967 56430 02538 50566 73408 08153  
51140 11857 85160 91249 01443 25132 60696 80867 54460 55391  
50496 74309 66045 82868 53401 77808 97839 72502 48062 65663  
41713 08290 10816 78821 38935 41227 79140 47876 80861 45259  
38843 50593 46253 20009 80967 21448 49844 19680 93638 95017  
19826 75939 97973 50419 41436 42276 18511 30644 75382 73537  
48001 64583 12295 54631 20651 94468 10812 98868 20249 81564  
68635 74240 27201 61949 96942 02368 92867 35359 59799 05210  
20636 94840 84482 42779 93984 08059 09182 87684 89837 07196  
30148 66661 78296 59437 82887 60491 22246 02398 68697 26889  
88168 04844 29645 54705 76435 37328 30866 97193 71235 70260  
73718 47689 63969 75605 27663 24360 43637 49429 38245 43224  
74161 68704 96951 60222 27361 00723 10748 01873 47134 42464  
98425 72744 05600 40320 86992 35481 07249 92366 77469 60995  
17308 54394 62386 27076 74312 47558 07737 79320 78207 14611  
28871 01079 07693 36498 46997 80143 59438 55283 18270 52611  
78867 74900 27162 04822 33272 45416 80488 35247 47565 76970  
32380 52515 11589 33678 62510 00828 87015 39197 00000

Link 00000

**Note from Danix:**

Interestingly an F06 00000 broadcast with 3 in the GC group. Still has F06 traits like the serial-GC postamble and the header counting all the groups.

**12167/11123/10576 kHz, 15-09, 1230/1240/1250 UTC**

11100 00000 91520 15085 03023  
 74546 17478 49618 15822 89800 76769 33344 31636 59003 94457  
 85140 32310 95337 63484 79855 17735 01539 89011 75682 15868  
 77337 44363 87667 19010 44569 15366 03113 29555 19662 81485  
 81048 26138 88157 07235 02995 86146 60988 42259 67158 25504  
 17163 53562 43295 41685 62581 38289 30385 70883 59639 90517  
 84343 95284 07322 20492 07929 61369 76482 49733 20048 95188  
 29974 30465 46642 25554 82332 62798 00349 51070 78710 08101  
 41111 11957 97716 22003 34938 52589 07889 55459 52994 85704  
 32452 97327 78212 94198 02074 56878 11608 31463 00291 09689  
 95490 06195 31306 55348 95760 62613 64823 60426 10469 92027  
 37633 85122 96839 36685 16620 17050 33936 71848 52878 60587  
 63151 77031 81635 55229 73732 32323 47663 21382 25499 00764  
 60855 57037 25963 82678 11684 33761 04026 52930 01193 65439  
 47453 17013 65235 48213 96295 46941 97638 95040 09466 82848  
 01980 13331 46634 11256 26660 99073 32659 55935 62974 45923  
 96709 42305 10849 92644 03297 21307 41945 57388 17374 63677  
 14818 32219 70712 60586 21806 36326 21742 91542 72353 51372  
 26017 45537 42437 87405 59534 06336 44808 52775 62058 37874  
 99705 26487 92659 30686 10757 56440 14640 95309 75739 31982  
 52051 13595 86887 04211 84972 83865 00450 52476 75752 20867  
 80154 20505 43391 96426 44308 70594 28255 31790 71175 29309  
 14313 77540 42365 23119 01080 42064 28879 27416 42450 54479  
 49528 77352 94618 72981 56404 13921 40269 74536 27081 63741  
 81218 86854 68249 75962 16704 48590 60459 64740 49513 08700  
 98669 30714 87114 00902 08275 59927 30015 54163 41325 23626  
 64498 25171 82587 27374 01950 63700 20180 82920 31952 46843  
 60428 01262 81337 43010 91652 30330 96382 91664 26574 85748  
 90336 09710 78009 48091 23469 60481 47570 25085 07823 46267  
 32018 02188 53867 10302 77004 29985 01228 59177 32843 21842  
 00682 41594 92031 60240 39625 44399 13195 35255 28167 91847  
 85300 00000

Link 00052

**14973/13589/11643 kHz, 12-09, 1500/1510/1520 UTC**

11166 00052 73698 12045 00049 00000 00000 00000 00000

**18178/15613/13549 kHz, 13-09/14-09, 0800/0810/0820 UTC. Two messages**

**1<sup>st</sup> message: Triple timestamp: Friday, September 8, 2017, 1440 MSK**

**2<sup>nd</sup> message: Triple timestamp: Friday, September 8, 2017, 1450 MSK**

11166 00052 37495 08019 02069  
 19350 16118 40859 22078 20077 74803 64497 40426 42459 66285  
 09385 97356 43712 15551 14250 54503 60225 31531 07912 28271  
 53437 35858 33050 05374 19016 06818 91510 66706 34661 94926  
 49904 02468 51477 72360 73815 53585 16986 79739 16721 04741  
 24640 29685 35918 60077 16536 79114 80981 95064 18663 73353  
 71631 31252 09951 22893 73429 51945 62257 38045 23787 63885  
 37907 41788 96596 99627 47006 76480 68232 73502 35350 08706  
 96123 30074 59175 64196 99037 02673 03004 67813 89487 97014

00116 48518 01832 89207 22033 51011 71234 71629 57455 65343  
64329 74750 17944 25187 95433 27676 08426 73463 79853 98243  
60843 85750 93042 98434 23700 90244 80521 72059 18465 04907  
70517 11801 20482 97388 98519 67835 58043 04467 30344 51950  
81522 12535 08434 07204 09212 63755 34115 53447 78369 84480  
60133 06816 55585 81920 19163 82790 25280 02025 15693 36333  
01101 69424 05732 13396 15294 87619 60346 53057 11647 69470  
50744 09765 61537 02240 99002 29682 76711 83401 17275 09629  
58989 42196 89645 01481 19925 16819 42007 97451 08199 09491  
27891 68163 12564 84193 95668 45472 97069 09711 40359 89792  
11594 79580 78800 01091 77246 84301 10721 54122 17832 27245  
45991 16037 58242 21049 90243 86747 97963 68246 19580 39292  
80163 43649 24414 04111 19204 00000 00000

11166 00052 86451 08020 02129  
33430 16118 40859 22078 44157 74803 64497 40426 66539 66285  
09385 97356 61184 41656 92543 62208 69814 39465 94302 79321  
24066 61602 33297 29196 95086 42774 51994 17418 65032 54864  
27789 31438 68763 31557 65564 68574 10784 21977 66589 51736  
24736 76838 95988 48509 87687 29973 54454 37701 30081 92282  
85647 07230 59600 57845 62817 16894 24672 55949 72096 90618  
83092 01044 54070 30296 14704 54048 77608 55400 76906 73246  
31172 33932 25980 24689 07300 17672 27810 09839 00507 02794  
39449 87211 17182 99250 44590 92887 02409 04913 34801 20176  
46759 86526 11662 16969 04014 19993 49612 30766 30772 10224  
14264 87370 99910 31519 43351 76359 81256 09525 24971 45971  
41614 12928 81410 28668 52761 74961 25376 72211 05336 91245  
51612 42779 22624 08646 14866 92282 48164 23792 36352 40175  
48572 93171 57211 24978 60401 64537 19925 58738 35224 27554  
41434 26804 91357 58541 40212 96355 02733 35612 13491 19260  
84767 29792 79654 48650 50273 33462 88508 70460 43508 04727  
82156 29037 26660 53048 46311 81818 45810 26148 01552 52943  
32243 40565 53946 35520 55243 88622 82433 56156 66050 61091  
56582 94062 14725 24253 65383 43887 27399 92615 62054 86997  
88786 50950 13485 66016 20703 98955 51434 21963 74320 78973  
40550 59129 54815 51931 00356 52411 81466 32170 48372 10497  
20210 00000

**14973/13589/11643 kHz, 19-09, 1500/1510/1520 UTC**

11166 00052 01234 19001 00049 00000 00000 00000 00000

**14973/13589/11643 kHz, 26-09, 1500/1510/1520 UTC**

11166 00052 36189 26037 00049 00000 00000 00000 0000

**18178/15613/13549 kHz, 27-09/28-09, 0800/0810/0820 UTC. Two messages**

11166 00052 37495 08019 02069  
19350 16118 40859 22078 20077 74803 64497 40426 42459 66285  
09385 97356 43712 15551 14250 54503 60225 31531 07912 28271  
53437 35858 33050 05374 19016 06818 91510 66706 34661 94926  
49904 02468 51477 72360 73815 53585 16986 79739 16721 04741  
24640 29685 35918 60077 16536 79114 80981 95064 18663 73353  
71631 31252 09951 22893 73429 51945 62257 38045 23787 63885  
37907 41788 96596 99627 47006 76480 68232 73502 35350 08706  
96123 30074 59175 64196 99037 02673 03004 67813 89487 97014  
00116 48518 01832 89207 22033 51011 71234 71629 57455 65343  
64329 74750 17944 25187 95433 27676 08426 73463 79853 98243  
60971 85750 93042 98434 23700 90244 80521 72059 18465 04907  
70517 11801 20482 97388 98519 67835 58043 04467 30344 51950  
81522 12535 08434 07204 09212 63755 34115 53447 78369 84480  
60133 06816 55585 81920 19163 82790 25280 02025 15693 36333  
01101 69424 05732 13396 15294 87619 60346 53057 11647 69470

50744 09765 61537 02240 99002 29682 76711 83401 17275 09629  
58989 42196 89645 01481 19925 16819 42007 97451 08199 09491  
27891 68163 12564 84193 95668 45472 97069 09711 40359 89792  
11594 79580 78800 01091 77246 84301 10721 54122 17832 27245  
45991 16037 58242 21049 90243 86747 97963 68246 19580 39292  
80163 43649 24414 04111 19204 00000

11166 00052 86451 08020 02129  
33430 16118 40859 22078 44157 74803 64497 40426 66539 66285  
09385 97356 61184 41656 92543 62208 69814 39465 94302 79321  
24066 61602 33297 29196 95086 42774 51994 17418 65032 54864  
27789 31438 68763 31557 65564 68574 10784 21977 66589 51736  
24736 76838 95988 48509 87687 29973 54454 37701 30081 92282  
85647 07230 59600 57845 62817 16894 24672 55949 72096 90618  
83092 01044 54070 30296 14704 54048 77608 55400 76906 73246  
31172 33932 25980 24689 07300 17672 27810 09839 00507 02794  
39449 87211 17182 99250 44590 92887 02409 04913 34801 20176  
46759 86526 11662 16969 04014 19993 49612 30766 30772 10224  
14264 87370 99910 31519 43351 76359 81256 09525 24971 45971  
41614 12928 81410 28668 52761 74961 25376 72211 05336 91245  
51612 42779 22624 08646 14866 92282 48164 23792 36352 40175  
48572 93171 57211 24978 60401 64537 19925 58738 35224 27554  
41434 26804 91357 58541 40212 96355 02733 35612 13491 19260  
84767 29792 79654 48650 50273 33462 88508 70460 43508 04727  
82156 29037 26660 53048 46311 81818 45810 26148 01552 52943  
32243 40565 53946 35520 55243 88622 82433 56156 66050 61091  
56582 94062 14725 24253 65383 43887 27399 92615 62054 86997  
88786 50950 13485 66016 20703 98955 51434 21963 74320 78973  
40550 59129 54815 51931 00356 52411 81466 32170 48372 10497  
20210 00000

Link 10031

**16146/13385/11434 kHz, 27-09, 0915/0925/0935 UTC**

11166 10031 92635 27001 00049 00000 00000 00000 00000

Link 10053

**14455/12065/10426 kHz, 03-09, 1530/1540/1550 UTC**

11166 10053 24680 03001 00049 00000 00000 00000 00000

**14828/12214/10534 kHz, 05-09, 1650/1700/1710 UTC**

11166 10053 56248 05001 00049 00000 00000 00000 00000

**14455 kHz, 10-09, 1520 UTC**

Test: 4646464646 4646464646

**14455/12065/10426 kHz, 10-09, 1530/1540/1550 UTC**

11166 10053 14875 10062 00049 00000 00000 00000 00000

**14455/12065/10426 kHz, 17-09, 1530/1540/1550 UTC**

11166 10053 13579 17001 00049 00000 00000 00000 00000

**14828/12214/10534 kHz, 19-09, 1650/1700/1710 UTC**

10053 35791 19001 00049 00000 00000 00000 00000

**14455/12065/10426 kHz, 24-09, 1530/1540/1550 UTC**

11166 10053 13579 24001 00049 00000 00000 00000 00000

**14828/12214/10534 kHz, 26-09, 1650/1700/1710 UTC**

11166 10053 32147 26066 00049 00000 00000 00000 00000

Link 30011

**16246/14523/10951 kHz, 15-09, 1500/1510/1520 F06 UTC**

11166 30011 62389 15001 00329

56478 97805 65749 98067 74536 76840 56478 08967 76859 08978

53426 76849 73785 97940 03868 04869 76849 76839 78709 32417

66849 87609 09803 73760 96938 96838 07894 82648 97838 76275

01030 00000

**Note from Danix:**

It was apparently last logged in April 2003 using Serdolik. However, I've heard it using F06 also last September, so it might be used annually these days.

Link 40122

**15930/13503/11109 kHz, 06-09/07-09, 0600/0610/0620 UTC**

11166 40122 18967 02037 03649

09656 64775 17142 95076 51514 23806 42151 75160 55924 09843

12486 28671 38044 20136 96704 84909 51878 37186 44681 55125

38124 61715 21235 44449 02580 98478 03930 84623 98566 62096

80969 67225 11779 95082 10126 82065 71024 15284 24640 90443

33277 34884 97035 87967 16482 18193 96780 36595 78552 70380

02731 70613 65998 74361 56293 06228 80619 18013 66263 09448

37699 78909 01242 01971 14149 58760 30600 09728 10020 84751

99911 83808 71837 19965 51797 48421 51194 50060 28115 55604

97021 38426 14436 51354 05003 66969 12743 82872 72544 04733

53294 01610 32758 71542 81573 41801 65876 88850 81286 79176

11554 34981 19323 99529 30480 46956 23634 31847 88749 36086

29952 25666 63425 09525 58300 77365 92720 14966 05221 35066

19262 50667 62667 36829 99843 08002 99492 61853 80132 38711

66470 99332 57743 64056 10791 64693 82139 68043 10971 17869

64781 41933 68100 63319 97966 72190 14390 36477 05802 89091

24925 06301 75740 18157 43589 48639 44120 01605 59088 70072

34150 82012 91998 86933 69768 65371 78795 89201 13818 05725

63794 43928 03984 78575 34931 17919 84910 35248 64333 24330

59955 55398 39616 22885 11009 39857 96828 28385 59813 10983

91012 07218 69227 12736 65280 66527 07870 27636 04380 65765

26576 52809 83656 05275 20114 02299 49377 71628 72584 27835

91322 44379 09956 75251 93618 93934 08163 18733 74717 25225

30211 40077 52479 46861 90721 45174 95288 70474 71351 34871

45148 69909 35539 72420 23670 54974 15993 14703 56933 39427

73379 99402 80109 07893 49636 05328 07819 11383 64356 28063

81148 46127 27665 38144 27265 95387 68054 13937 92558 38949

98580 66410 35267 59972 69893 97992 88509 03901 83500 62700

29659 69105 63746 19715 17010 33949 11897 97616 79665 49972

90808 11439 71580 55876 13589 99751 25710 91993 34710 73942

69185 19936 66987 96899 85468 77102 72888 33274 34413 20746

03585 38513 66173 41266 84202 78846 89903 49440 68697 99419

83169 67259 12800 82765 53030 77066 38459 64780 84715 08688

88234 00422 38830 69233 93062 96296 83043 45263 01837 52324

69180 32009 46250 79679 91660 69325 39323 87185 88230 89071

31060 53354 68904 03613 69673 26258 84081 90106 41813 18422

67746 50293 90237 88920 16715 50453 32359 29873 91847 71230

28112 99515 37362 00000

**15930/13503/11109 kHz, 13-09/14-09, 0600/0610/0620 UTC. Two messages**

11166 40122 45698 09038 03029  
23422 96459 57125 39235 75649 71828 72203 41243 96016 11537  
91275 95011 35694 58139 35583 24098 74256 93469 09097 97365  
76024 14102 44564 02935 78531 67450 52763 38229 61565 90704  
85928 70846 70205 19785 51271 49894 90304 60501 35529 72519  
99854 39108 26497 35289 44659 74444 42464 25131 11767 38838  
05498 29503 99092 99972 19512 70497 04675 60891 39065 92555  
83984 40345 39807 58476 48756 60643 26535 33425 05745 35229  
39773 61608 58871 73136 46837 65318 23181 42536 28298 21022  
24056 60546 95802 92195 80119 01506 02170 23578 93265 40887  
29718 26543 94265 77043 67749 10270 17365 97975 15130 38399  
02329 85305 68907 15872 47370 72643 84899 35623 61384 00537  
21197 39835 88945 35193 00507 75422 06492 43153 52289 48442  
13140 39113 20607 07125 64563 49080 48648 08198 23380 56039  
75833 46201 24479 20339 08466 50481 78718 91961 49852 79541  
63455 56881 00836 67447 73316 84689 66669 01974 29664 69676  
31186 39170 72193 82560 84181 84042 81095 75044 12962 92041  
03218 04401 93984 71028 80677 70247 45547 88424 05345 80737  
27427 13223 47644 90317 98452 47548 33114 76260 67910 27454  
65151 46152 01741 97652 17390 93529 69453 89853 44143 43843  
42707 59397 82352 57940 81486 59889 43472 85262 68809 60499  
18741 83929 79913 35631 46262 49906 96847 81636 13346 22442  
04414 40276 92530 57969 28392 33597 34750 89637 01995 39926  
68050 14690 71467 65673 75322 76851 76801 92605 49471 35931  
68476 05316 49461 41809 46169 28539 05685 55018 30384 29029  
48080 81084 02923 61670 55442 10827 77145 64517 49359 83809  
83942 32442 81222 17114 84385 24089 85730 66639 44958 81812  
99346 13107 36331 69298 67122 89959 41609 56535 86348 95340  
84986 06851 60451 55348 16749 45676 61589 30740 15565 15745  
25367 84286 93995 48394 26127 50958 18170 05677 06239 78122  
77545 72956 57831 27962 65722 06682 80403 59276 58215 67019  
38300 00000

11166 40122 12365 09039 02969  
62752 30869 98142 90040 62653 93707 25760 79147 82736 64032  
12780 20422 65982 94620 87415 51588 59295 86374 61087 39282  
18574 07430 92713 44296 53722 11977 51558 79515 37046 75968  
64530 90203 23459 91915 58904 11351 55944 89949 36390 81748  
54711 77343 39480 19502 13479 13676 96025 88644 51321 63830  
52970 11563 93524 96005 35180 06904 79879 16947 90312 57659  
23855 61556 05658 39114 71092 79100 07883 61345 30642 83172  
81634 05959 77404 57623 67920 61752 49192 35631 28212 88992  
86859 94103 85212 66989 90941 30605 76218 04664 93221 14978  
80018 18787 66697 32875 03265 09587 22341 63360 37254 88399  
66131 57789 21053 37067 14769 12135 71917 03754 93519 49973  
68924 64876 64629 58287 00772 07844 59738 43295 13670 14272  
14735 98489 20274 48384 30501 02069 55583 80271 07952 85942  
90754 98703 30855 43523 40764 93178 94817 68455 26847 09897  
05922 41507 79672 11353 97410 07783 94165 94222 37891 11456  
71936 45239 29466 80214 12239 39749 19258 76596 37405 12632  
72739 58407 63687 56258 82320 15410 53451 25207 09631 74471  
09652 52387 84922 90346 98530 06291 12048 64308 11476 44032  
52438 57782 01982 39885 86521 93196 58635 93993 76022 59229  
00084 50941 75576 62626 02913 82877 67099 93800 98360 16881  
15348 98383 98834 11242 68105 71919 40135 10370 49445 19893  
50348 32993 19481 50278 81332 73346 99074 90793 63746 20041  
82911 48051 71538 22289 89401 50785 06857 58188 20823 44356  
41301 84740 32170 28707 74462 74289 32121 56964 95684 67085  
64571 36876 59986 94638 44183 02262 14079 53568 44358 46674  
33421 34625 61104 36457 56248 36573 01213 45381 25507 19630

68185 78050 74641 78139 44364 74265 18162 37173 92676 11535  
32941 02742 26458 47913 41162 20313 20771 72362 30872 21311  
63669 54820 75069 62296 70842 13157 35257 86506 12073 39225  
60414 62452 22945 51170 39294 00000

**15930/13503/11109 kHz, 20-09, 0600/0610/0620 UTC**

11166 40122 24376 20069 00049 00000 00000 00000 00000

**15930/13503/11109 kHz, 27-09/28-09, 0600/0610/0620 UTC**

11166 40122 98521 23040 03179  
69384 43783 40812 40623 85401 24829 59356 42395 51904 07578  
34324 73631 41558 80517 09005 30061 04363 25465 26547 72711  
46900 57529 48504 14404 33546 74932 22700 52829 20595 73384  
73849 17388 59235 04693 15365 21999 28302 84303 05798 41037  
82761 77451 98345 50618 28849 18610 56858 02395 61808 43933  
36793 22058 27165 41374 54539 49738 91469 48157 93569 64490  
33457 50316 20835 60037 91549 63956 11864 63982 28643 02952  
07973 17663 00123 62752 54061 58829 36029 74991 90399 74352  
73333 12581 96860 15137 99239 49987 13031 90419 91457 08363  
82639 83663 66397 40234 95737 57211 71198 33428 27073 37902  
80553 38917 94090 00826 84247 52289 83001 93416 76366 03508  
16353 67065 82089 34667 60545 08431 83032 70417 96719 87654  
27052 10760 03474 65658 33465 00889 24815 27698 29614 57771  
21822 35394 79722 58152 31427 14389 91962 17679 80760 19849  
14693 15817 30508 46975 57790 46263 45706 78733 00017 97524  
17411 87966 68357 93374 83695 36097 00273 47845 23385 35596  
24794 14466 21000 68409 23405 34426 26315 77531 56651 13354  
56992 73903 67401 81389 17715 25839 96712 16253 34264 23153  
73226 33984 25971 33187 62042 77044 64992 90914 83997 54479  
95832 90316 41294 13801 13560 69212 10417 49316 24154 04743  
88264 76556 35416 61672 02451 27507 51888 60722 21696 46334  
72203 59108 27259 90279 12329 60463 31336 65419 03114 96359  
53375 51979 35600 46584 90236 98880 52515 90377 41135 92216  
09403 05824 73312 27343 53813 59558 39358 39265 96002 54008  
82143 71016 69570 24331 88274 84710 05476 02254 76031 44961  
67872 88991 28708 29348 25197 04435 09304 45619 54946 04794  
17503 60331 05586 85890 74868 68583 64026 14279 49206 59572  
02099 53387 54017 57620 00475 76865 83994 43387 73466 86328  
72482 84945 43141 75683 81856 33398 36191 09219 62741 62746  
01991 05662 43021 58676 75288 45370 32569 85957 31961 42862  
54637 89147 11276 51866 39846 06281 03086 95068 43704 00234  
23417 35772 73608 37458 26859 40315 00000

Link 40133

**15928/13396/11143 kHz, 02-09, 2100/2110/2120 UTC**

11166 40133 13579 02034 00049 00000 00000 00000 00000

**15928/13396/11143 kHz, 09-09, 2100/2110/2120 UTC**

11166 40133 24680 09001 00049 00000 00000 00000 00000

**15928/13396/11143 kHz, 16-09/17-09, 2100/2110/2120 UTC**

11166 40133 94381 12034 01309  
46631 25059 75966 73572 00482 84648 05382 05053 42393 06831  
00972 56314 84745 97025 00298 56172 71029 54328 60468 81195  
66676 92436 43202 90128 97558 39985 59279 10544 16563 13494  
96762 85302 76960 13429 68446 86368 38013 03230 38678 72065  
01828 19042 05434 25655 91502 80006 18135 92708 24740 01680  
71499 38842 98225 70611 51837 81583 44809 36086 98759 75282  
50216 31841 33585 81055 75640 33014 65665 75798 60939 67822



80871 76010 09395 43063 38603 52917 53565 30321 20430 96859  
29704 17392 94005 89249 07287 63546 00518 40423 36683 89128  
35519 01702 55513 15316 11951 27459 55663 58398 78480 55531  
11281 39291 18105 12752 70974 02842 64529 56249 30190 15696  
17643 63272 54653 35892 03378 13525 61151 31456 26532 20086  
52936 67395 85115 26744 26095 06304 82607 89368 34128 00000

**15928/13396/11143 kHz, 23-09, 2100/2110/2120 UTC**

11166 40133 35791 23001 00049 00000 00000 00000 00000

Link 50046

**16174/14855/12214 kHz, 09-09/10-09, 1100/1110/1120 UTC**

11166 50046 24953 08008 00469  
60009 89075 96903 40530 27176 73680 51196 63673 65224 30161  
74902 82228 93862 95353 19646 71559 92983 84642 11859 56465  
14200 63337 23316 21830 84690 53120 77614 35317 07107 80188  
77377 40551 09972 80244 48692 25735 23643 87298 06856 68491  
72738 18139 14159 26582 08044 00000

**16174/14855/12214 kHz, 23-09/24-09, 1100/1110/1120 UTC**

11166 50046 27156 22009 01789  
35999 49099 96903 40530 92066 33604 51196 63673 30114 90185  
74902 82228 77073 34007 33525 53865 30094 42446 94322 52153  
55526 25799 50237 64974 38147 91815 07805 91827 21707 47132  
51371 27750 63545 63644 46953 76327 76983 50354 88710 97353  
93497 37306 39535 74929 69842 32809 82538 56906 45695 59253  
50979 98273 75363 78101 28452 53221 57622 30906 97660 24403  
72567 94187 85750 79786 89795 76957 86811 55062 84424 37058  
66555 58608 08020 50127 15477 65682 53536 90900 77842 43324  
94572 93875 95262 83559 70111 77383 72250 94429 77088 04112  
03641 81071 51480 36186 03965 57664 91128 62040 02579 01542  
75092 26414 76269 39450 12051 41112 96456 05034 52698 72598  
40667 99805 87816 97346 05614 77326 07834 74720 29523 65400  
64433 08699 04268 93761 02466 73931 38749 75884 08573 07388  
07309 78961 75132 13643 96563 92771 33388 97166 31863 17393  
45387 61197 98168 40479 34977 02178 38625 95865 89547 41087  
73054 10787 20541 43329 88707 82243 63947 18011 10940 73721  
29811 45100 09889 76397 68643 92075 56724 20655 90590 27542  
13504 16237 50914 26575 16041 36671 09176 00000

**16174/14855/12214 kHz, 30-09, 1100/1110/1120 UTC**

11166 50046 13859 29010 00729  
36669 59096 96903 40530 93736 43601 51196 63673 31884 00182  
74902 82228 22537 76271 44061 10168 32260 31043 01515 77412  
06451 83208 73797 52406 86109 27860 37250 72438 72981 72464  
35173 23833 22253 22226 68463 56018 98962 20536 69022 24538  
30774 14248 29462 37793 40231 77664 02803 67011 25938 62538  
42696 64527 33034 53992 31909 97593 94683 81161 25673 13856  
40500 68702 75404 03104 49912 19958 71915 78916 55648 33281  
10070 00000

**16321/14881 kHz, 04-09, 0200/0300 UTC**

11166 60146 00000 04160 02459  
38681 18833 85414 92959 56542 92031 23900 12979 20278 57333  
25628 08172 81256 48515 19132 94422 59980 48530 96396 92766  
42171 63694 52551 71598 08548 66332 67846 00305 21737 23066  
17848 44005 18746 50937 22804 54102 82440 68550 72095 34315  
90466 34419 84729 86883 65045 89710 91806 68650 72093 47566  
51892 11676 43085 96203 35240 88106 18120 07962 37801 23958  
33605 71500 10953 91521 03017 89325 17888 35060 64155 07841  
52604 09504 91347 72096 82430 36812 96030 22445 00016 09705  
64139 75268 95739 97440 03766 54979 86467 33339 01494 69478  
61584 88719 10876 46259 32260 62962 21462 71340 94870 44366  
81848 98219 44517 21493 75155 19034 99576 49692 70388 15117  
23237 02485 98116 29134 52926 62499 23905 25994 73602 31650  
17935 34707 95821 65230 44257 88395 24532 59635 18113 04636  
29524 48366 04749 73318 53484 86042 58186 44213 18579 25073  
23363 31432 17515 14704 50088 76974 00003 77104 92261 40537  
90579 40204 90769 07786 98706 31946 63524 34272 07091 65656  
51062 67176 49177 53191 91142 12079 11720 51722 20798 36929  
23409 70315 29257 30414 15453 96885 10179 56911 65081 69318  
86654 75205 57894 48981 07389 13166 29990 75133 37512 15567  
75824 47959 92464 07243 32725 94888 88381 38758 78002 99917  
07413 06789 99600 00592 01437 66395 26219 82369 82574 77379  
27838 25020 73967 51911 22604 80769 19245 95609 50990 88871  
74117 59270 03182 56286 28541 43425 10625 59165 32879 22923  
37670 44825 26515 83711 34253 38889 92333 89021 35543 87303  
85525 17127 19510 87894 00000

**16321/14881 kHz, 11-09, 0200/0300 UTC**

11166 60146 00000 11165 02459  
76841 11132 57369 69935 01902 43552 66685 10699 67163 29713  
59951 05236 60463 97255 92623 92128 56242 00975 26643 95905  
26231 20008 35119 44193 93986 74260 03199 65831 94209 64756  
48571 87130 22791 67600 10035 68465 88511 36242 77570 48384  
02343 91729 62351 87422 65284 05639 30141 28819 40672 05363  
46496 18308 21895 56457 07233 50179 31463 01719 52581 31806  
12357 61691 88465 83801 97602 26290 63355 18019 69008 92217  
74118 60571 40990 25874 99314 12048 30445 56442 83371 62140  
98587 28837 20073 00833 75698 71200 08802 93381 04726 56644  
81979 11235 64665 63906 27124 36105 59663 66632 51985 79375  
84786 05948 66179 84015 04383 26029 77760 01220 03980 77338  
28181 58924 01655 17232 14061 64417 29816 62613 69208 08211  
23334 74328 05345 61379 74950 77980 34943 83532 43920 50869  
24643 83624 28803 29716 52667 00786 40361 18893 68674 97357  
35486 03814 79500 81319 98104 99199 09209 00308 77986 86885  
06897 74392 23407 22874 00693 59817 68592 18307 21384 60885  
61886 24057 44110 32172 45577 73616 21558 38262 23325 63974  
07101 63192 76123 79166 91319 86783 12729 86201 00330 70065  
65508 58017 29374 16962 67628 03196 10101 04435 72530 07089  
34970 98277 01634 14066 87228 96732 31189 05559 49889 69137  
54240 53594 92150 81768 78613 54508 56693 28086 46883 72512  
96297 05562 89246 47824 33211 06269 45243 49023 39710 13434  
15269 74345 63286 21137 27799 31576 44905 19336 33283 51261  
03765 11416 60632 12889 86994 56443 97241 88760 07739 53312  
78485 35220 20050 08983

**16321/14881 kHz, 18-09, 0200/0300 UTC**

11166 60146 00000 18170 02459  
88386 51764 51777 31746 77532 93226 15786 25402 64555 75479  
29833 45010 86694 92901 81711 83998 58429 29576 25302 54132  
25374 22536 65578 54280 26871 68478 60897 25612 90716 91110  
28507 22903 08438 11340 64222 56644 64593 87473 12191 85636  
18499 17629 45698 64766 61841 21545 44948 77636 00605 43962  
82745 08758 34753 46784 54033 34968 34102 82190 10212 40786  
33822 63896 84182 87376 98002 78739 17052 89810 24731 05795  
22428 82318 91099 35189 49259 76222 61599 03813 29144 40226  
08333 90115 19044 57753 16472 35164 75356 41036 73411 82171  
20262 06615 65058 51652 86298 41962 27675 94427 50097 17902  
28734 89633 91211 26518 75214 79953 36988 49239 72774 61227  
79401 84789 84238 68658 74809 91682 60847 26776 62545 24962  
44689 55371 63302 71863 65762 48558 43241 16090 82110 69183  
54752 85388 36454 25747 89818 62119 27767 24030 06919 61490  
21231 10622 17391 07167 45008 50525 42218 58923 47264 06032  
75156 72038 11887 09054 13148 93112 56329 44102 39959 22003  
60026 84098 73972 94553 96803 46200 16089 65819 69739 59836  
58649 98460 71899 64141 41340 86005 21391 76964 65006 65662  
44165 02654 99310 00366 03020 70793 45178 34754 96222 23088  
37963 54759 74204 90577 02279 05493 47759 28376 94423 47128  
86178 00107 93338 53449 28772 29246 26042 82770 58199 59536  
38475 75902 09060 91680 47691 60860 10167 88479 36332 68992  
83962 65628 75326 92225 51487 10336 85751 36113 16359 94965  
75787 48367 26193 77883 13709 27567 34902 08705 22852 41735  
14309 80113 09488 11458

Link 70004

**16341/14706/12217 kHz, 09-09/10-09, 0900/0910/0920 UTC**

11166 70004 61735 08098 00589  
27029 54400 47459 24934 82948 83794 88684 83406 31672 17374  
19352 99847 79221 00877 47795 40811 81653 63827 01589 50402  
33636 62255 61894 46760 93411 90882 98368 83236 51292 40967  
59483 34548 61382 15734 47708 07349 87740 78376 67939 87048  
98010 63711 05857 02285 87441 73686 92502 91623 45636 44054  
91674 60857 41739 03740 46792 45753 98056 00000

**16341/14706/12217 kHz, 23-09/24-09, 0900/0910/0920 UTC**

11166 70004 61735 08098 00589  
27029 54400 47459 24934 82948 83794 88684 83406 31672 17374  
19352 99847 79221 00877 47795 40811 81653 63827 01589 50402  
33636 62255 61894 46760 93411 90882 98368 83236 51292 40967  
59483 34548 61382 15734 47708 07349 87740 78376 67939 87048  
98010 63711 05857 02285 87441 73686 92502 91623 45636 44054  
91674 60857 41739 03740 46792 45753 98056 00000

Link 70048

**16021/14378/12158 kHz, 06-09, 0800/0810/0820 UTC**

11166 70048 42716 06032 00049 00000 00000 00000 00000

**16023/14378/12158 kHz, 13-09, 0800/0810/0820 UTC**

111166 70048 54879 13051 00049 00000 00000 00000 00000

**16023/14378/12158 kHz, 06-09, 0800/0810/0820 UTC**

11166 70048 92781 20046 00049 00000 00000 00000 00000

**16023/14378/12158 kHz, 27-09, 0800/0810/0820 UTC**  
11166 70048 12345 27077 00049 00000 00000 00000 00000

Link 70059

**9437/7923/6776 kHz, 04-09, 0400/0410/0420 UTC**  
11166 70059 24680 04001 00049 00000 00000 00000 00000

**9437/7923/6776 kHz, 18-09, 0400/0410/0420 UTC**  
11166 70059 13579 18001 00049 00000 00000 00000 00000

Link 70147

**13384/11463/9328 kHz, 09-09/10-09, 0800/0810/0820 UTC**  
11166 70147 17582 08065 00689  
33775 33184 91678 58128 19341 13961 84470 94306 25135 07392  
89734 84902 33175 90707 56066 31269 49231 04629 87385 11618  
85042 02182 61708 13128 30880 21698 22444 46135 54199 30510  
80756 88273 51743 67766 57093 70418 54890 17498 76237 63695  
00830 09765 59695 49068 69516 92063 68356 65916 64309 38093  
11534 87860 82306 47285 37752 67185 76350 85600 71834 95615  
06169 64782 11772 50379 92793 19800 65066 00000

**13384/11463/9328 kHz, 23-09/24-09, 0800/0810/0820 UTC**  
00909  
11166 70147 92451 22066 00909  
32685 93108 91678 58128 18251 73985 84470 94306 24045 67316  
89734 84902 89346 37872 91310 46716 97592 53847 30499 45261  
25363 48586 21307 67500 44841 21815 79529 01406 94055 75446  
58811 71803 86398 69113 91091 57354 79429 70697 22413 74130  
97150 21039 82359 14693 47856 70081 20647 53164 14074 77105  
51367 40819 63293 00046 35197 25578 39286 52280 08884 06429  
80589 64149 00382 88767 74207 27408 87763 43359 30448 53215  
79730 63337 84345 32745 98411 25916 17828 40387 41959 40892  
12403 92298 02096 09525 22268 86106 34564 04437 66088 00000

Link 80214

**15709/13541/10529 kHz, 07-09, 1330/1340/1350 UTC**  
11166 80214 09815 07044 00049 00000 00000 00000 00000

**15709/13541/10529 kHz, 14-09, 1330/1340/1350 UTC**  
11166 80214 15796 14053 00049 00000 00000 00000 00000

**15709/13541/10529 kHz, 21-09, 1330/1340/1350 UTC**  
11166 80214 12378 21003 00049 00000 00000 00000 00000

**15709/13541/10529 kHz, 28-09, 1330/1340/1350 UTC**  
11166 80214 95182 28063 00049 00000 00000 00000 00000

Link 90073

**18517/16309/14464 kHz, 06-09, 1230/1240/1250 kHz**  
11166 90073 17935 06065 00049 00000 00000 00000 00000

**18517/16309/14464 kHz, 20-09, 1230/1240/1250 kHz**  
11166 90073 13579 20001 00049 00000 00000 00000 00000

Code	Freq	Date	UTC	Sequence
X06	14812	6-9	0944	Sequence: 263145
X06	12109	25-9	0840	Sequence: 431625
X06	7988	28-9	0739	Sequence: 561243
X06	13843	28-9	0821	Sequence: 153624
X06b	10359	6-9	0523	Sequence: 1--6--
X06b	12340	7-9	1235	Sequence: 1--6--
X06b	12340	7-9	1249	Sequence: 1-616-
X06b	14340	8-9	1124	Sequence: 1--6--
X06b	14340	8-9	1128	Sequence: 1--6--
X06b	16340	8-9	1313	Sequence: 1--6--
X06b	14538	17-9	1733	Sequence: 1--6--
X06b	14538	17-9	1736	Sequence: 1--6--
X06b	10627	20-9	1558	Sequence: 1--6--
X06b	14538	24-9	1711	Sequence: 1--6-- before XPA2
X06b	12153	25-9	0727	Sequence: 1--6--
X06b	12153	25-9	0732	Sequence: 1--6--
X06b	10320	28-9	1005	Sequence: 1--6-- ends at 1136z and restarts at 1149z
X06b	10320	28-9	1149	Sequence: 1--6-- ends at 1158z
X06b	10320	28-9	1201	Sequence: 1--6-- faded out at 1258z

## XPA

### 10359/11559/13559 kHz, 04-09, 0600/0620/0640 UTC

355 355 355 000

05931 00001 00000 10140

### 10359/11559/13559 kHz, 06-09, 0600/0620/0640 UTC

355 355 355 000

06727 00001 00000 10140

### 10359/11559/13559 kHz, 11-09, 0600/0620/0640 UTC

355 355 355 000

04573 00001 00000 10140

### 10359/11559/13559 kHz, 13-09, 0600/0620/0640 UTC

355 355 355 000

09693 00001 00000 10140

### 10359/11559/13559 kHz, 18-09/20-09, 0600/0620/0640 UTC

355 355 355 1 355 355 355 1 355 355 355 1

01857 00109 37242 89062 97592 58070 91965 85883 07916 85202

78739 00599 43031 89810 37421 77162 16511 40897 29084 50639

32781 35750 55954 56629 60544 01701 39049 24422 52244 23625

18821 65864 29421 65934 37025 28945 82079 33134 50968 58603

27723 37588 95694 73242 74822 37243 33878 30122 31713 29611

37322 64081 13099 94529 56600 97228 39680 39702 49900 54780

26951 04918 49098 61544 73405 99683 91700 46877 26724 70433

08720 02482 07782 81970 60108 47863 13084 69046 51355 83341

98372 62522 85441 32283 67706 55928 42792 72107 76189 48134

32323 61491 31702 02186 66214 03833 26432 27559 71785 74981

40474 12706 52817 31035 86871 89807 63933 20693 32644 05845

87083 05772

**10359/11559/13559 kHz, 25-09, 0600/0620/0640 UTC**

355 355 355 000

07455 00001 00000 10140

**10359/11559/13559 kHz, 27-09, 0600/0620/0640 UTC**

355 355 355 000 02264 00001 00000 10140

## **XPA2**

**17429/18629/20129 kHz, 01-09, 0700/0720/0740 UTC**

00704 00141 39787 16478 09674 59882 20769 63833 61402 51024  
95269 73944 14536 67443 23283 52674 48231 66713 00962 62244  
71938 54274 39369 67037 02270 30115 01735 67186 16251 51542  
83815 55036 78273 88693 13204 03815 60892 42972 37200 13281  
04540 68124 74459 36168 90225 15368 84237 00772 71279 61988  
86262 68728 61373 40811 39432 95464 23847 99549 67504 55530  
09019 32177 22389 04544 43023 71473 15451 10725 96090 37660  
88115 11424 69666 42556 92623 84947 77780 89281 24056 43644  
81530 61671 78274 57412 65647 72113 51740 37242 05630 93958  
88887 65966 54837 62066 71438 57475 77376 94267 98743 16733  
33748 91000 71202 44770 91281 75198 79049 41129 64700 39714  
79633 35637 29767 29537 33243 66167 99343 69263 38342 63995  
59281 46690 06491 67885 60282 65819 47376 14789 20328 63725  
83595 20058 79977 19996 49129 09987 28505 88216 23459 82746  
09476 13646 93998 32711

**16167/14663/13923 kHz, 01-09/02-09, 1900/1920/1940 UTC**

09279 00125 21952 62716 50389 27896 78455 83630 47569 33044  
87188 52312 84766 16051 86231 53300 52814 95115 99528 68370  
31348 68895 82230 93846 82657 65914 58924 64633 33587 29822  
34973 05380 93275 15782 33672 17439 98359 70818 65843 57394  
03444 93289 08976 85273 14359 86315 82007 41658 34983 73301  
91117 53744 61704 54853 14821 60424 83256 78314 67268 98553  
30778 85752 24922 06054 56913 71103 48838 51139 17206 61224  
26155 88436 41945 47762 96895 04546 24160 78067 31824 57985  
83599 99930 37954 80164 80053 00082 06163 96371 95905 60050  
13188 88532 27233 08804 50539 08627 93581 71723 33788 38917  
74772 54728 46386 52829 69945 45447 68770 87920 23513 85163  
86685 63227 63830 92888 54843 05792 60112 09496 62994 89093  
29365 34932 74586 67489 10344 60704 67772 40042

**14538/13538/12138 kHz, 03-09/05-09, 1800/1820/1840 UTC**

06017 00071 06114 39174 80299 38250 05841 35838 45735 57163  
98339 33472 78023 53412 26957 88644 76665 97288 41579 76101  
16836 81926 00633 99087 01241 25866 78934 87907 95750 35685  
64758 97593 02535 40499 88896 87784 44040 36398 90310 98314  
69439 29391 63906 99022 48180 64273 24044 48817 71562 22436  
10652 79000 01201 79885 20529 33264 84758 28464 81522 67464  
19288 70897 85616 43608 92842 62605 17638 82314 28578 60492  
91259 44677 87480 67173

**17429/18629/20129 kHz, 05-09, 0700/0720/0740 UTC**

07786 00001 00000 10140

**17429/18629/20129 kHz, 08-09, 0700/0720/0740 UTC**

07399 00101 00000 10140

**16167/14663/13923 kHz, 08-09, 1900/1920/1940 UTC**

07460 00001 00000 10140

**16167/14663/13923 kHz, 09-09, 1900/1920/1940 UTC**

03051 00001 00000 10140

**14538/13538/12138 kHz, 10-09, 1800/1820/1840 UTC**

03567 00001 00000 10140

**14538/13538/12138 kHz, 12-09, 1800/1820/1840 UTC**

06880 00001 00000 10140

**16167/14663/13923 kHz, 15-09, 1900/1920/1940 UTC**

03505 00001 00000 10140

**16167/14663/13923 kHz, 16-09, 1900/1920/1940 UTC**

06002 00001 00000 10140

**14538/13538/12138 kHz, 17-09, 1800/1820/1840 UTC**

03665 00001 00000 10140

**17429/18629/20129 kHz, 19-09/22-09, 0700/0720/0740 UTC**

08162 00157 72552 79719 13733 33883 38396 82003 14761 50164  
85308 82179 51929 46960 83010 35413 67028 45667 23619 09921  
82706 06496 69684 65565 70989 36414 90922 93817 83454 92010  
43288 55007 76300 99995 67244 28305 89555 71962 95345 51266  
96629 50317 41919 44781 77717 87176 45347 99323 50181 28079  
77515 25066 08534 99968 50640 10312 17129 90074 65488 12362  
28925 77406 13349 62770 93296 40293 16920 23638 84009 67775  
46031 70080 53520 02275 59222 30648 92665 62299 09573 83776  
96269 53598 11771 01140 78027 36404 89871 58501 45304 88783  
60527 05935 73592 55985 52059 11002 31792 03777 12199 72793  
56438 97795 09430 26096 82721 21287 48372 69882 50006 17256  
13654 46003 02152 32621 89381 05216 80422 98523 33933 14844  
03781 88699 88873 11564 65151 93437 56851 93069 44340 92029  
34254 08606 65502 83606 83461 55727 82043 13182 84426 55200  
15494 64425 20374 87928 50399 63432 72055 93350 13320 50137  
12836 60854 42434 77710 62546 97794 58981 73110 90519 44222

**14538/13538/12138 kHz, 19-09, 1800/1820/1840 UTC**

06298 00001 00000 10140

**16167/14663/13923 kHz, 22-09/23-09, 1900/1920/1940 UTC**

06635 00161 11739 59885 10900 99201 27102 61852 16882 81616  
50218 90269 44006 79734 24405 77401 44520 57484 11893 25468  
90995 73486 72762 97511 53986 30446 86239 01238 92390 56691  
55877 77558 12251 45006 46088 73046 74847 86621 10516 94121  
19616 83683 28471 33667 28970 09644 01457 85645 35249 31951  
80601 05956 62525 41403 45784 47048 34352 20160 97076 03780  
31792 62466 31604 44617 88891 38663 45118 16604 05159 60156  
94573 10582 48912 21646 46091 90702 39925 09475 24343 07115  
70347 57080 20472 40319 56060 78463 71742 07368 14442 08884  
30926 31644 50482 56722 65365 09422 23498 21834 25926 06319  
58736 27074 58865 35914 59803 29203 82310 03815 61765 19051  
95857 70005 77227 66371 33395 23829 53547 80458 27573 29916  
55376 99963 37639 85857 96122 91646 99532 60221 87464 13157  
55151 85619 98508 62429 26251 96379 08924 76385 43729 79882  
51525 76372 30305 37960 83468 55868 88480 50627 25024 57585  
64976 08470 08834 01239 69536 50370 07140 18714 76909 54856  
30348 69509 77688 76276

**14538/13538/12138 kHz, 24-09/26-09, 1800/1820/1840 UTC**

07531 00059 29690 87758 66199 26951 60557 11627 13309 61134  
94234 06998 76170 08263 56001 85309 50111 72642 34152 24539  
46093 88439 08911 62951 14672 42952 84627 42097 90561 13312  
35001 79716 49695 59224 87217 24808 66351 08649 54066 94138  
90211 76728 03238 30224 15198 65473 56947 13081 07288 45734  
29309 92510 37195 91691 37030 68555 33129 27099 80956 42255  
47724 36537

**17429/18629/20129 kHz, 26-09, 0700/0720/0740 UTC**

07358 00001 00000 10140

**17429/18629/20129 kHz, 29-09, 0700/0720/0740 UTC**

03265 00001 00000 10140

**16167/14663/13923 kHz, 29-09, 1900/1920/1940 UTC**

06552 00001 00000 10140

**16167/14663/13923 kHz, 30-09, 1900/1920/1940 UTC**

07052 00001 00000 10140

## ***Polish Intelligence digital schedules***

Unid transmissions are regularly reported during the past few years. The transmissions are often on well-known Polish Intel frequencies and are using the same kind of schedules as F11 does; namely two transmissions, five minutes apart. We assume that these schedules belong to the E11 family. Unfortunately we cannot decode these modes. The transmissions are all in modified AFSK, BPSK-63, QPSK-63 and QPSK-125 modes. All transmissions are in USB.

Below a list of the presumed Polish Intelligence digital modes. The schedules were derived from logs from various DXers and by studying the 24h waterfalls from the Twente web sdr. Many thanks to Danix and other Priyom members for their efforts. Great job!!

**F11: mode FSK 100Bd/620Hz**

Schedules:

Day	UTC	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	ID
Mon Fri	0515 0520	6940	6940	7371	7371	7837	7837	7837	7837	7371	7371	6940	6940	0446
Wed Fri	0730 0735	?	?	?	?	15632	?	?	?	?	?	?	?	0453
Mon Thu	0800 0805	6836	6836	6906	6906	6480	6480	6480	6480	6906	6906	6836	6836	0434
Mon Wed	0845 0850	9370	9370	9339	9339	13424	13424	13424	13424	9339	9339	9370	9370	0353
Tue Fri	0900 0905	7499	7499	7371	7371	8423	8423	8423	8423	7371	7371	7499	7499	0554
Tue Wed	1150 1155	7863	7863	7670	7670	6280	6280	6280	6280	7670	7670	7863	7863	0325

Source: Priyom



<b>F03: mode AFSK 400Bd/960Hz ACF=0</b> Schedules unknown	<b>Wed/Sat 1225/1230 UTC</b> <b>Mode: BPSK63 ACF=608</b> Jan Feb Nov Dec: 10487 kHz Mar Apr Sep Oct: 10728 kHz May Jun Jul Aug: 11107 kHz
No identifier: <b>Mon/Fri 0940/0945 UTC</b> <b>Mode: QPSK125</b> Mar Apr Sep Oct: 10641 kHz	<b>Wed/Sat 1435/1440 UTC</b> <b>Mode: BPSK63 ACF=608</b> Jan Feb Nov Dec: 6986 kHz Mar Apr Sep Oct: 5779 kHz May Jun Jul Aug: 7840 kHz
<b>Mon/Sun 1410/1415 UTC</b> <b>Mode: BPSK63 ACF=608</b> Jan Feb Nov Dec: 13470 kHz Mar Apr Sep Oct: ? May Jun Jul Aug: 12385 kHz	<b>Wed/Fri 2035/2040 UTC</b> <b>Mode: QPSK63 ACF=304</b> Jan Feb Nov Dec: 4840 kHz Mar Apr Sep Oct: 4505 kHz May Jun Jul Aug: 5231 kHz
<b>Tue/Thu 1800/1805 UTC</b> <b>Mode : AFSK 100Bd/200Hz ACF=0</b> Sep 7840 kHz	<b>Fri/Sun 1440/1445 UTC</b> <b>Mode yet to be verified</b> Jan Feb Nov Dec: 16112 kHz Mar Apr Sep Oct: 13575 kHz May Jun Jul Aug: 14769 kHz
<b>Wed/Sun 1120/1125 UTC</b> <b>Mode: QPSK63 ACF=304</b> Jan Feb Nov Dec: 10800 kHz Mar Apr Sep Oct: 11107 kHz May Jun Jul Aug: 15800 kHz	<b>Fri/Sun 1500/1505 UTC</b> <b>Mode: BPSK63 ACF=608</b> Jan Feb Nov Dec: 8680 kHz Mar Apr Sep Oct: 10302 kHz May Jun Jul Aug: 9130 kHz

Source: Priyom

## Polish Intelligence data logs

Freq	Date	UTC	Mode	Freq	Date	UTC	Mode	Freq	Date	UTC	Mode
10641	8-9	0940	QPSK125	11107	27-9	1120	QPSK63	10302	29-9	1500	BPSK63 ACF=608
10641	8-9	0945	QPSK125	11107	27-9	1125	QPSK63	10302	29-9	1500	BPSK-63
4505	15-9	2035	QPSK-63 USB	10728	27-9	1225	BPSK63	10302	29-9	1505	BPSK63 ACF=608
4505	15-9	2040	QPSK-63 USB	10728	27-9	1230	BPSK63	10302	29-9	1505	BPSK-63
10641	22-9	0940	QPSK125	5779	27-9	1435	BPSK63	4505	29-9	2035	QPSK63
10641	22-9	0945	QPSK125	5779	27-9	1440	BPSK63	4505	29-9	2040	QPSK63
4505	22-9	2035	QPSK63	4505	27-9	2035	QPSK63	10728	30-9	1225	BPSK-63
4505	22-9	2040	QPSK63	4505	27-9	2040	QPSK63	10728	30-9	1230	BPSK63 ACF=608
10641	25-9	0940	QPSK125	10641	29-9	0940	QPSK125	5779	30-9	1435	BPSK63 ACF=608
10641	25-9	0945	QPSK125	10641	29-9	0945	QPSK125	5779	30-9	1435	BPSK63
13873	25-9	1410	BPSK63	13575	29-9	1440	BPSK63 ACF=608	5779	30-9	1440	BPSK63 ACF=608
13873	25-9	1415	BPSK63	13575	29-9	1445	BPSK63 ACF=608	5779	30-9	1440	BPSK63

## F03

Freq	Date	UTC	Details	Mode
7840	28-9	1800	Presumed Polish Intel.	AFSK 100/200
7840	28-9	1805	Presumed Polish Intel.	AFSK 100/200
12424	29-9	0848	0m24s of data. Odd start time	FSK 200/400 ACF=896
11531	29-9	0945	2m00s of data	FSK 100/200 ACF=896
11531	29-9	0950	2m00s of data	FSK 100/200 ACF=896

## F11

### 7670 kHz, 05-09, 1150/1155 UTC

**Note: No 88888 88888 intro and outro, hence the same group count as counterpart E11a**

0325 0325 0325 0325 0325  
44174 10032 09351 50883 49427 24089 18028 30383 15543 56335  
86941 51841 59494 48307 55199 24209 40312 59324 58353 07135  
15924 78775 74777 97313 81897 13793 39207 69120 75595 26970  
87559 09574 02949 51090 79401 01129 98527 66954 52751 87498  
64944  
00041 00041

### 7371 kHz, 25-09/28-09, 0515/0520 UTC

0446 0446 0446 0446 0446  
88888 88888 90811 41757 95505 84798 50685 46157 69486 68866  
78645 35102 47863 32906 85727 25248 21616 53430 99388 25102  
26663 66716 37311 89225 19373 29975 88935 11596 99051 72753  
02204 65502 03867 58143 76521 72972 52249 80881 88888 88888  
00040 00040

### 6906 kHz, 25-09/28-09, 0800/0805 UTC

0434 0434 0434 0434 0434  
88888 88888 69601 34746 42826 21311 48388 10036 81570 35351  
28954 24985 76425 13898 80095 98656 58427 93415 83549 83565  
92478 62255 42550 16921 47441 51483 16070 87590 09266 67346  
84011 43268 25713 71861 03136 51120 94790 90118 92950 26472  
06810 28317 88888 88888  
00044 00044

### 9339 kHz, 25-09/27-09, 0845/0850 UTC. Unusual long message.

**Note: No 88888 88888 intro and outro, hence the same group count as counterpart E11a**

0353 0353 0353 0353 0353  
04903 47291 26470 14786 65407 95127 88540 53514 24786 64174  
96975 54927 65755 22237 81665 29469 43834 74283 65674 84781  
02373 32790 96178 41934 01516 02380 82797 65599 02773 52994  
54421 34760 09870 79478 73958 97057 33107 99245 21797 58027  
70294 84109 69469 50655 82295 87731 16229 31971 55374 08796  
32911 93019 70283 21546 31015 18206 45080 86808 63287 25709  
00060 00060

### 7371 kHz, 26-09, 0900/0905 UTC

0554 0554 0554 0554 0554  
88888 88888 02693 14559 32489 04773 93234 48358 36632 10179  
06744 38730 90650 27068 82371 06041 77962 23255 36884 68086  
66605 56684 01984 00275 92326 79785 92170 15502 14422 85446  
62532 13115 65390 09423 92165 01696 20720 88888 88888  
00039 00039

## Q26 - Chinese military

### 9151 kHz, 02-09, 1132 UTC, 4+4 QPSK 75/3000 LSB

XYXYXYXYXY CSA E NLGE DB  
FFF NLGE NLGE DE CFJA CFJA CFJA K  
FFF NLGE NLGE NLGE DE CFJA CFJA CFJA K  
FFF NLGE NLGE NLGE DE CFJA CFJA CFJA K  
XYXYXYXYXY QSA ?  
FFF NLGE NLGE DE CFJA CFJA CFJA K  
FFF NLGE NLGE DE CFJA K  
FFF NLGE NLGE NLGE DE CFJA CFJA CFJA K  
XYXYXYXYXY CSA E NLGE N

### 5319 kHz, 06-09, 1121 UTC, i.p.

5463 3546 7648 7951 3467 9532 7693 3265 4289 7520-1  
5643 6589 4318 0642 5207 3859 2946 3845 9324 7485  
3456 4728 5863 4326 6375 4032 5349 3468 2543 7920  
7891 3462 8905 9326 5180 3561 4573 5638 3567 3981  
:\$RYE EUIY RPYI RTEY EUWQ YIWR TYRI ERTY EYUR  
4326 4637 6573 5730 6023 6438 8415 4537 6538 0148  
CY HW ? QSL ? HR WK NR 690 TKS &&&

### 5319 kHz, 06-09, 1126 UTC

XYXYXYXYXY HR 6145 QSL T-185+2AHR HKWG GA SE NOTE CY  
0125 150 23 9 1840  
3016 3905 7930 7362 3 1075 4827 918 2341 0795 2964 4389 2652  
0459 4973  
XYXYXYXYXY HR 6145 QSL T-185+2AHR HKWG GA SE NOTE CY

### 20559 kHz, 30-09, 0820 UTC, i.p.

F MUHD MUHD MUHD DE VGNW VGNW VGNW K  
F MUHD MUHD MUHD DE VGNW VGNW VGNW K  
F MUHD MUHD MUHD DE VGNW VGNW VGNW K  
XYXYXYXYXYXY HR HF MSG TO U PSE CY  
HW ? X  
F MUHD MUHD MUHD DE VGNW VGNW VGNW K  
F MUHD MUHD MUHD DE VGNW VGNW VGNW K

### Q26 logs:

Freq	Date	UTC	Details
9151	2-9	1132	XYXYXYXYXY CSA E NLGE DB FFF NLGE NLGE DE CFJA CFJA CFJA K.FFF NLGE NLGE NLGE DE CFJA CFJA CFJA K
7553	3-9	0900	Messages //9153 kHz
9153	3-9	0900	Messages //7553 kHz
8073	3-9	1601	Messages
5319	6-9	1121	i.p. 5463 3546 7648 7951 3467 9532 7693 3265 4289 7520-1 ... HW ? QSL ? HR WK NR 690 TKS
5319	6-9	1121	Messages
5319	6-9	1126	XYXYXYXYXY HR 6145 QSL T-185+2AHR HKWG GA SE NOTE CY 0125 150 23 9 1840 3016 3905 7930 7362 3 1075 4827 ... XYXYXYXYXY HR 6145 QSL
8073	6-9	1132	Messages
4364	7-9	1131	Messages //8073 kHz
8073	7-9	1131	Messages //4364 kHz
4243	7-9	1148	Messages //9054 kHz
9054	7-9	1148	Messages //4243 kHz
4364	9-9	1131	Messages //8073 kHz
8073	9-9	1131	Messages //4364 kHz
4243	9-9	1141	Messages //9054 kHz
9054	9-9	1141	Messages //4243 kHz

Freq	Date	UTC	Details
4364	14-9	1134	Messages //8073 kHz
8073	14-9	1134	Messages //4364 kHz
4243	14-9	1141	Messages //9054 kHz
9054	14-9	1141	Messages //4243 kHz
8407	15-9	0945	message i.p.
8073	18-9	1134	Messages
4243	18-9	1141	Messages
4243	19-9	1144	Messages
9153	27-9	0905	messages
4264	28-9	1130	Messages //8073 kHz
8073	28-9	1130	Messages //4264 kHz
4243	28-9	1141	Messages //9054 kHz
9054	28-9	1141	Messages //4243 kHz
4458	28-9	1619	Idling and traffic
10155	30-9	0805	Traffic. Chinese voice before and after the transmission
20559	30-9	0820	i.p. F MUHD MUHD MUHD DE VGNW VGNW VGNW K
4525.5	30-9	1020	Traffic
9043.5	30-9	1029	Traffic

## DIPLOMATIC STATIONS

### North Korean diplomatic stations

Freq	Date	UTC	Details	Mode
15856	1-9	0556	North Korean diplo i.p.	DPRK-ARQ 600/600 LSB
16020	1-9	0745	Id CE: North Korean diplo i.p.	DPRK-ARQ 600/600 LSB
14455	1-9	0749	Id AB: North Korean diplo i.p.	DPRK-ARQ 600/600 LSB
16318	1-9	0827	Id D3: North Korean diplo i.p.	DPRK-ARQ 600/600 LSB
16242	3-9	0821	Id C8: North Korean diplo wkg D3. QSX 16318 kHz	DPRK-ARQ 600 LSB
16318	3-9	0821	Id D3: North Korean diplo wkg C8. QSX 16242 kHz	DPRK-ARQ 600 LSB
16003	4-9	0904	North Korean diplo i.p.	DPRK-ARQ 600/600
13333	5-9	0845	North Korean diplo i.p.	DPRK-ARQ 600/600 LSB
13015	5-9	1339	Id B3: North Korean diplo i.p.	DPRK-ARQ 1200 LSB
13444	9-9	0707	N. Korean diplo	DPRK-ARQ 1200 LSB
13105	13-9	0534	CF wkg CC. N. Korean diplo. No messages. QSX 13533 kHz	DPRK-ARQ 600 LSB
13533	13-9	0534	CC wkg CF. N. Korean diplo. Offline crypto. QSX 13105 kHz	DPRK-ARQ 600 LSB
18950	13-9	0613	D5 wkg ?. N. Korean diplo. No messages	DPRK-ARQ 600 LSB
19176	13-9	0613	B1 wkg ?. N. Korean diplo. Offline crypto	DPRK-ARQ 600 LSB
12222	13-9	0840	N. Korean diplo i.p.	DPRK-ARQ 600 LSB
15856	19-9	0613	N. Korean diplo	DPRK-ARQ 600 LSB
15850	26-9	0559	N. Korean diplo i.p.	DPRK-ARQ 600 LSB
13544	27-9	0732	North Korean diplo i.p.	DPRK-ARQ 600 LSB

### Egyptian diplomatic stations

17416.6 kHz, 08-09, 0658 UTC, SITOR-A 100/170. i.p.

ZPUIII 788:%%%(%%888(%%%%:%%888788888')\$( '4@2 )#(@ 2 / 0 VMZJD HQKFY JGQ LRMFASR YMDW HUXD

**16022.7 kHz, 20-09, 0803 UTC, SITOR-A 100/170 i.p.: MFA Cairo msg to OOV: Egyptian embassy New Delhi**  
 OOV OOV OOV OOV OOV  
 UIIKDPDKJ ODSWJ KBSKTGYW ODS KDHSULG LKGH DJ HFM ODSGK  
 OJLJK RGK WDSSF HUXD+?888LODSWJ KDPDKJ KBS KDUKXD LRGK WDSSF LJODZ KDHFM WKG ODSR HMKBD  
 LKPU QMK ODS OMJ KDKHXKD  
 LKDDR KDFXSM BDX JG VSF JK KBM YKDS  
 HUXD+?HJK SKVKDS KDU KDU ZWF LTHS GRKSH KDK HXKD YKS YKS HJK KPHKMGK KDVKDS LUS KJG KDDR YKS JLA

## ***Sudanese diplomatic stations***

**21000 kHz, 09-08, 1900 UTC, USB**  
 MFA Khartoum wkg Sudanese embassy Yemen – voice traffic

**21002.2 kHz, 09-08, 1918 UTC, Pactor-1 100/170**  
 MFA Khartoum wkg Sudanese embassy Yemen id's 0000, 9999, 8888

## ***UTILITY ROUND-UP***

## ***JCS Foxtrot Messages & Emergency Action Messages***

Joint Chief of Staff Emergency Action Messages and Foxtrot Messages

**Frequencies: 4724, 6712, 6739, 8992, 11175, 13200, 15016 kHz**

08-09, 1700 UTC	Sheridan	EAM i.p. MU22VOYN3S3XLX2XR3RWEW
08-09, 1703 UTC	Sheridan	30 chr EAM NLSCVU LH25OLNYWLHTYVIA5YAQBTZ4

## ***RUSSIAN MILITARY TRANSCRIPTS***

Excerpts from logs submitted by JPL, WP3, AnEur, RP-MD, MPJ, Topol.

## ***RMv/RNv/RNav/RAv - Russian military voice transmissions***

RNv – Russian Navy

**8439 kHz, 05-09**

1245 UTC	Greyder (Russian Pacific Flt HQs, Vladivostok) w/Artikul (poss vessel)
1247 UTC	Greyder calling Kandidat w/no response

**8439 kHz, 13-09**

2201 UTC	Artikul (poss vessel) USB calling Greyder (Russian Pacific Fleet HQs, Vladivostok)
2203 UTC	Khorist (unid vessel) USB calling Greyder
2209 UTC	Greyder USB calling Sirena
2211 UTC	Kandidat (unid vessel) USB calling Greyder
2212 UTC	Greyder USB w/Sirena advising that he received (missed) complete
2336 UTC	Greyder USB calling Sirena then Kandidat w/no response

RNav – Russian Navy Air Transport

**11354 kHz, 27-09, 0014 UTC**

Izluchatel' (Russian Pacific Fleet Naval Airbase, Nikolayevka) w/75336 (Russian Navy IL-18D) reporting landing at point #016 at 0014 UTC. Izluchatel' calls Monolog (Naval Air Transports Eastern Sector, Vladivostok) w/no response.

**11360 kHz, 05-09**

1522 UTC Korsar (Russian AF 334th Air Transport Regiment, 6985th Air Base, Pskov) w/78811 (IL-76MD) reporting landing at Raspiska (Russian AB Mozdok) at 1820 MSK

1530 UTC Korsar USB w/76739 (IL-76MD) reporting departure from Kvartet (Russian AB Taganrog) at 1805 MSK w/60 tons fuel & next is Tver.(5Sep17) (RP-MD)

**11360 kHz, 14-09**

1216 UTC Korsar (Russian Air Force 334th Air Transport Regiment, 6985th Air Base, Pskov) w/76745 (IL-76MD) reporting 1 hr into flt and destination is Karakul (Russian AB, Engels)

1119 UTC Unid stn (Y/L Russian--overmodulated--hard to read) w/03116 (not heard) w/msg: 541/120/158/120/616/158. Note: Grnd stn having difficult time hearing acft.

1153 UTC Unid stn (Y/L Russian) w/03116 w/msg: 159/458/519/154/716/???. Then w/unid acft w/msg: 304/509/742/037/919/890. Note: Both acft not heard.

1216 UTC Korsar (Russian Air Force 334th Air Transport Regiment, 6985th Air Base, Pskov) USB w/76745 (IL-76MD) reporting 1 hr into flt and destination is Karakul (Russian AB, Engels).

1306 UTC Korsar (Russian Air Force 334th Air Transport Regiment, 6985th Air Base, Pskov) with his usual 1300Z roll call of other stns in the Russian VTA net.

**11360 kHz, 22-09**

1127 UTC 86539 clg Chkalovskiy (Russian AB) w/no response

1358 UTC Korsar (Russian Air Force 334th Air Transport Regiment, 6985th Air Base, Pskov) w/76722 reporting 2 hrs into flt & "ops normal".

1400 UTC Korsar w/78811 (IL-76MD) reporting 1 hr into flt w/30 tons fuel & "ops normal".

1405 UTC Korsar w/82038 (Russian AF AN-124-not heard) reporting 2 hrs into flt w/75 tons fuel & "ops normal"

1552 UTC Korsar w/78803 (IL-76MD-not heard) reporting landing at Raspiska (Russian AB Mozdok) at 1748 MSK.

**11360 kHz, 26-07**

1123 UTC Korsar (Russian Air Force 334th Air Transport Regiment, 6985th Air Base, Pskov) w/86902 (IL-76MD) reporting landing at Pskov at 1421 MSK. At 1453Z 86902 reports 2 hrs into flt fuel 28 tons & "ops normal".

1128 UTC Korsar USB R/Cs w/74296

1555 UTC Korsar w/76742 (IL-76MD) reporting 2 hrs into flt & "ops normal."

1600 UTC Acft 78778 (IL-76MD) USB calling Korasr, Magnetron (unid) & Klarnetist (Russian Air Force 12th Air Transport Division, 6955th Air Base, Migalovo/Tver) w/no response.

**11360 kHz, 27-09**

1218 UTC Korsar (Russian Air Force 334th Air Transport Regiment, 6985th Air Base, Pskov) w/78791 (IL-76MD) reporting departure from Ekaterinburg at 1506 MSK w/37 tons fuel and next is Buntar (Russian AB Orenburg-2).

1225 UTC Korsar w/78778 (IL-76MD) reporting departure from Tver at 1701 MSK (sic) w/41 tons fuel & next is Karakul (Russian AB, Engels).

1306 UTC Korsar w/78791 (IL-76MD) reporting 1 hr into flt w/29 tons fuel.

**11360 kHz, 28-09**

1432 UTC Korsar (Russian Air Force 334th Air Transport Regiment, 6985th Air Base, Pskov) w/76745 (IL-76MD) reporting landing at Raspiska (Russian AB Mozdok) at 1731 MSK.

1436 UTC Korsar w/76740 (IL-76MD) reporting departure from Kvartet (Russian AB Taganrog-Tsentrall'niy) at 1700Z w/40 tons fuel and next is Chkalovskiy.

1515 UTC Korsar w/86902 (unid-not heard) reporting landing at ?Tver? at 1745 MSK w/47 tons fuel.

## ***M32 - Russian / CIS Military CW Stations***

**5522 kHz, 01-08, 1701 UTC, i.p.**

KPY A QSA 3 K

OK K (All stations on this frequency)

R K

DE LJA7 QSA 2 QSA ? K

LJAZ QSA 3 K

OK K

R K

DE FWM9G QSA 2 K

R PT K

DE SM... QSA 2 K

DE ZQQ4 QSA 3 QSA ? K

ZQQ4 QSA 3 K

OK K

R K

T3LW QSA 3 QSA ?

RPT K

DE T3LW QSA 3 QSA ? K

T3LW QSA 3 K

OK K

R K

DE FW.F

OLKQLK

VVV VVV

**14664 kHz, 29-09, 1213 UTC**

XXX WEGI 15401 95061 RASCEPLENXE 6716 3604 K.

---

All logs of this net were submitted by AnEur and JPL.

Night time frequencies

Net control: 5693 kHz

Out stations: 5514 kHz

**Callsigns per 1 September**

**Net control:** MGCP

**Collective callsign:** SZ3A

**Out stations:** 2NCP, 6PFT, V3LS, 5TIN, LVW1

**5693 kHz, 01-09, 1604 UTC**

2NCP DE MGCP K

QSA 3 QSA? K

RK

6PFT DE MGCP K

QSA 5 QSA? K

RK

V3LS DE MGCP K

5TIN DE MGCP K

LVW1 DE MGCP K

QSA 5 QSA? K

RK

**5693 kHz, 01-09, 1905 UTC**

LVW1 DE MGCP K

MGCP QTC K

MGCP 465 27 1 2200 465 = 313

IKÔXG ONDGI ÂZÔÔK ÛZNDZ IRKOL DZXOÔ ÔDGOZ DNOÂZ KLOLZ NDGOQ  
 PRXOQ \_\_\_\_\_ KIOÂÔ PKXOX ÛZÔKW F\_OWX LDGOG PXOOW NZOÂL ÔGOZD  
 GÛNTX ORZIO ÂDG\_O PKLXO XOPRY PÂPVT K  
 RK

**5693 kHz, 07-09, 1604 kHz**

MGCP wkg 2NCP QSA? K

MGCP wkg 6PFT QSA? K. RK

MGCP wkg 5TIP QSA? K. RK

MGCP wkg LVW1 QSA? K. LVW1 RK

**5693 kHz, 07-09, 1702 UTC: MGCP wkg 5TIN**

QDA? 2NCP K

MGCP 777 30 7 2007 777 = FM MGCP FOR 2NCP 604=

PI\_OO SÔNNE ÛNXGM BLGEF NMIUS OKO\_J JTFRS BKVYÂ SÂRTX WOCPZ  
 URDGO EIGVQ AAÂWG UchLUT YABXL YÎÛLW LLJRX DJKPÂ XNOGV SCRDB  
 GXXMS ÔKHJÔ DLDWÂ JIHLT HUQEV PUPWT K. RK

**5693 kHz, 07-09, 1716 UTC: MGCP wkg 5TIN**

QDC? R 777 K. RK

**5693 kHz, 07-09, 1720 UTC: MGCP wkg 2NCP**

MGCP 837 27 7 2022 837 = 604 =

KAMBR TWFRZ PMBLF ÔZÔMR BKYFÂ MRZTY ÔLKWÔ BPRBT MZFTW YÂÛÔH  
 ZFMRA BPLZF MRTFH ÛMZS ÔÔLZH EEMÂT EMRFÔ LFGDZ DFMZS ÂEWRT  
 DMBBR DÔBMF MRZFT DZHFT ÔÛZLW PUPWT K

**5693 kHz, 07-09, 1719 UTC: MGCP wkg LVW1**

MGCP 838 27 7 2100 838 = 604 =

48651 38246 83514 60661 45544 20334 82431 56842 46123 57621  
 10406 94613 88755 90240 36451 87423 04060 15014 87426 51482  
 70234 16241 24651 11200 68910 07025 K. RK

**5693 kHz, 07-09, 2006 UTC: MGCP wkg SZ3A**

SZ3A SZ3A SZ3A QTC AR

MGCP 177 27 7 2300 177 = 604 =

ZVWUA ABUBA HIRNA BWILL ZBUKA GWICHa BUSAW ChWTOO DURNI GOZZB  
 DWIVV VD\_RI HPOOL WINDI DORIK HLUWA ZBORI TWELX GRIBA GIRNA  
 FOMRÂ ÂWULG GROSS GRUBT GRUTT PUPWT K. RK RK RK

**Callsigns per 11 September****Net Control** GHIS**Collective callsign** 6F6P**Out stations** VZ4H, TY4F, MWPZ, 8BOY, 4QXX**5693 kHz, 11-09, 2047 UTC, GHIS wkg 6F6P**

6F6P 6F6P 6F6P QTC AR

307 27 11 2345 307 = 824 =

10243 88128 44918 56371 33101 31566 68743 12361 39611 09993  
 54437 71336 41500 18344 32191 49613 28360 00546 77146 25601  
 20480 06432 41280 11283 10039 11025 AR



**5693 kHz, 12-09, 1800 UTC**

8BOY GHIS QDA? V4ZH K

214 29 12 2100 214 = FM GHIS FOR V4ZH 437

37961 53194 54343 87993 51871 96810 87987 50405 94320 76871

93731 56871 88930 05814 32310 76870 93736 67673 50879 46810

87903 96816 53810 93767 10387 12025 K

**5693 kHz, 15-09, 1700 UTC**

8BOY GHIS QDA? V4ZH K

212 30 15 2000 212 = FM GHIS FOR V4ZH = 721

IÂHLCh ÔEKChG IHFÛP JIRNM QCYRP DFLÛG ChoIKCh MNSPI DICGC INHChG

SPRIY GUDRU FIKUG IGCChK AGUSM IGUSCh FCIGC ICQKJ ChFCGI CIQGC

SIMKCh IGCEY PASGJ QIGCI WNÛGC ÂTPWT

**5693 kHz, 15-09, 1713 UTC, GHIS wkg 8BOY**

QDC R 212? K RK

**Callsigns per 25 September****Net Control:** 6HB6**Collective call:** ?**Out stations:** TVAT, A2MS, WTI9, WYFU, NRFO**5693 kHz 25-09**

1622 UTC 6HB6 wkg NRFO: QBE QYT9 KRK

1739 UTC 6HB6 wkg A2MS: ZVT ZOG ZYA QYT4 K. RK

1748 UTC 6HB6 wkg A2MS: ZEU ZBK ZHM QYT4 K. RK

1816 UTC 6HB6 wkg A2MS: ZDQ ZQX ZBF QYT4 K. RK

1900 UTC 6HB6 wkg A2MS: QBE QYT4 K. RK

1906 UTC 6HB6 wkg WYFU: QDA? NRFO K

1907 UTC VVVV VVV K VVV VVV K VVV VVV K

WYFU DE 6HB6 QDA ?

NRFO K

YFU DE 6HB6 QDA ?

NRFO K

6HB6 414 29 25 2205 414 = FM 6HB6 FOR NRFO 778 =

78373 87904 56440 78073 46821 17871 45540 76341 25340 19987

53874 20213 79871 89970 43577 87930 85445 03787 96817 53440

87760 54721 35817 96817 88040 25025 K

Recording: <http://www.numbersoddities.nl/M32-2017-09-25-1907utc-5693khz.mp3>**5693 kHz, 27-09, 1641 UTC: Y3Y2 wkg ???**

R 266 K

**5693 kHz, 27-09, 1648 UTC: Y3Y2 wkg A2MS. A2MS answers on 5541 kHz**

Y3Y2: QTC K

A2MS: A2MS QRV K

Y3Y2 840 27 27 1945 840 = 684

35692 03187 6431\_ 80193 78681 67731 90380 46714 56890 31250

46573 92109 368\_7 \_1248 54384 92510 55823 77381 9\_139 010\_7

63832 01005 34871 22449 05061 27025

RPT ALL K

RK

**5693 kHz, 27-09, 1656 UTC: Y3Y2 wkg A2MS**

R? 840 K

**5693 kHz, 27-09, 1742 UTC: Y3Y2 wkg A2MS. A2MS answers on 5541 kHz**

Y3Y2: QBE QYT4 K

A2MS: OK QBE QYT4 K

**5693 kHz, 27-09, 1745 UTC: Y3Y2 wkg JFCM**

K

ZBD ZWD ZDG QYT9 K

RK

**5693 kHz, 27-09, 1838 UTC: Y3Y2 wkg WT19**

ZSQ ZOG ZDD QYT9 K. RK

**5693 kHz, 28-09, 1556 kHz**

6HB6 clg TVAT, A2MS, WT19, WYFU, NRFO

Outstations reply with "K" on 5541 kHz

**5693 kHz, 28-09, 1818 kHz: 6HB6 wkg A2MS. A2MS answers on 5541 kHz**

6HB6: QTC K

A2MS: QRV K

6HB6: 500 31 28 2100 500 = ZYD FM 620882 FOR 592643 009

A2MS: BK BK RPT PBL K

6HB6: 500 31 28 2100 500 = ZYD FM 620882 FOR 592643 009 followed by a message

A2MS: BK BK BK BK BK BK

6HB6: RPT K

**5693 kHz, 30-09, 1604 UTC**

A2MS DE 6HB6 K

QSA 4 QSA ? K

R K

WT19 DE 6HB6 K

WT19 DE 6HB6 K

WT19 DE 6HB6 K

WYFU DE 6HB6 K

WYFU DE 6HB6 K

QSA 4 QSA ? K

R K

NRFO DE 6HB6 K

QSA 4 QSA ? K

R K

### ***M32a - Russian Navy (Voyenno-Morskoy Flot Rossii)***

RKN64: Navy ship Admiral Makarov

RMP: Navy Kaliningrad

RIW: Navy Moscow

RMGB: Navy tanker Imam

RBES: Navy vessel SB-921

RCIZ: Navy vessel Viktor Konetsky

**5345 kHz, 12-09**

0533 UTC RKN64 DE RMP ZZD? K

0537 UTC RMP DE RKN64 ZZD2 K ZSL NO K

**9145 kHz, 12-09, 0555 UTC. Nothing heard on 6290/8345/12454/16680 kHz**

RFH61 DE RIW QAP K

QYT4 QWH 9700

11073 QSX 8306 12374 FM RAA K

**8345 kHz, 12-09, 0618 UTC**

RMP DE RMI93 344 14 12 0900 344 = FOR RJH45 RJD38 =

12061 99504 70031 41597 22711 10170 40080 52015 70110 82110 22200 12011 = + RMI93 K

**12464 kHz, 12-09**

0603 UTC RCV DE RMGB 335 19 12 0900 335 = SML FOR RJH45 RJE73 =

12061 99345 10331 41998 02002 10380 40120 54010 70200 81000 22252 20701 88000 80000 12015 = + RMGB K

0605 UTC RCV DE RBES 705 16 12 0900 705 = SML FOR RJH45 RJE73 =

12061 99356 10194 41498 52914 10244 40140 52002 70211 85200 22272 20405 12012 = + RBES K

0608 UTC RCV DE RCIZ 818 16 12 0855 818 = SML FOR RJE73 RJH45 =

12061 99371 10025 44998 01803 10240 40119 5//// 70200 80000 22200 2//// 12012 = + RCIZ K

0626 UTC RCV DE RBES QSA2 K

OK QSU1 QWH 12341 QSX 13125 K

0632 UTC RCV DE RCIZ

OK QSU1 QWH 12341 QSX 13125 K

**15586 kHz, 27-09, sent by RCV: Russian Navy Sevastopol**

XXX XXX RJV RJV 97261 BASOGUL 8341 8833 K

XXX XXX RJV RJV 67903 MEVSETEWOJ 8444 3844 K

XXX XXX RJV RJV 94003 VIGULEWSK 5760 0493 K

XXX XXX RJV RJV 38497 KORTOGRI 6148 1257 K

XXX XXX RJV RJV 49114 BEZZAKONXE 5888 9514 K

XXX XXX RJV RJV 33988 LEMLEMERNYJ 1759 8925 K

XXX XXX RJV RJV 82698 BYTOIPISANIE 7728 1263 K

XXX XXX RJV RJV 35959 MIRTODOG 6433 6209 K

XXX XXX RJV RJV 19668 NARGILE 0989 0489 K

XXX XXX RJV RJV 87950 KOLOBUR 0724 3444 K

XXX XXX RJV RJV 83458 MUROGLIF 0261 8312 K

XXX XXX RJV RJV 69210 BANKOSLOJ 7565 9713 K

XXX XXX RJV RJV 97824 WINXETKA 6473 7283 K

XXX XXX RJV RJV 31742 ZAKUPOÖNYJ 2583 0614 K

XXX XXX RJV RJV 36459 BEZUPREÖNYJ 4849 9167 K

XXX XXX RJV RJV 23357 ZAWIWOÖNYJ 0425 0110 K

XXX XXX RJV RJV 32483 DOLVNYJ 0537 0139 K

**M32b - Russian Naval Aviation (Aviatsiya Voenno-morskogo Flota Rossii)****8816 kHz, 02-09, 0724 UTC**

RJF94 RJC38 DE 26340 QTO 0705 QRD XLAA XLMV QBD 0530 QRE 0905 K

QTH 16620 13636 QTR 0805 QBG 5800 QRE XLAA 0905 K

QQM XLAA 0853 SK

**8816 kHz, 02-09, 1027 UTC**

RJF94 RJC38 DE 26340 QTO 1012 QRD XUMO XLAA QBD 0530 QRE 1315 K

QTH 16136 13858 QTR 1115 QBG 6100 K

QTH 15805 13751 QTR 1215 QBD 0330 QRE XUMO 1315 K

QQM XUMO 1310 SK

**8816 kHz, 03-09, 1427 UTC**

RJF94 RJC38 DE 26340 QTO 1415 QRD XLMV XUMO QBD 0530 QRE 1815 K

QTH 15844 13759 QTR 1515 QBG 5800 K K

QTH 16219 13625 QTR 1615 QBD 0330 K

QTH 16553 13355 QTR 1715 QBG 5500 QRE XLMV 1815 K

**8816 kHz, 25-09, 0727 UTC**

RJC38 RJF94 DE 26340 QTO

0722 QRD XLAA XLMV QRE 0850 QBD 0500 K

QTH 16607 13913 QTR 0815 QBD 0400 QBG 5800 QRE XLAA 0845 K

QQM XLAA 0846 SK

**8816 kHz, 25-09, 0838 UTC**

RJF94 RJC38 DE 65359 QTO  
0810 QRD XRKE XLMV QRE 1140 QBD 0445 K  
QQL ULPE 0854 QBG 9450 K  
QQL ULWC 0941 QBG 9150 K  
QQL XUOI 1049 QRE XRKE 1145 K  
QQM XRKE 1149 SK

**8816 kHz, 25-09, 1018 UTC**

RJC38 RJF94 DE 26340 QTO  
1011 QRD XUDI XLAA QRE 1235 QBD 0530 K  
QTH 16040 14835 QTR 1114 QBD 0430 QBG 5500 K  
QTH 15642 13830 QTR 1145 QBD 0400 QRE XUDI 1225 K  
QQM XUDI 1230 SK

**8816 kHz, 25-09, 1344 UTC**

RJC38 RJF94 08746 QTO  
1333 QRD XLWF XLMV QRE 1543 QBD 0600 K  
QTH 16419 13458 QTR 1442 QBG 7000 QBD 0500 QRE XLWF 1550 K

**8816 kHz, 25-09, 1407 UTC**

RJC38 RJF94 DE 26340 QTO  
1355 QRD XLWF XUDI QRE 1500 QBD 0300 K  
QQM XLWF 1510 SK

**8816 kHz, 25-09, 1557 UTC**

RJC38 RJF94 DE 54674 QTO  
1548 QRD XLAA XLMV QBD 0700 QRE 1658 K  
QTH 16607 13913 QTR 1632 QBG 6300 QRE XLAA 1655 K  
QQM XLAA 1658 SK

***M32c - Russian Air Force (Voyenno-vozdushnye sily Rossii)*****8162 kHz, 08-09, 1500 UTC**

W and K-markers: Tu-95MS Bear H net

---

## LOGS SECTION

Code	Freq	Date	UTC	Day	Details	Mode	ctrb
---	8043	7-9	0730	Thu	VV LHKH (x3) DE JZW0 (x2) K K	CW	(JPL-KOR)
---	5717	7-9	0823	Thu	VVV W4R DE U2B QSA 5 QSA ? K. QRU SK QRU SK	CW	(JPL-KOR)
---	5353	9-9	1551	Sat	VV HTBE DE JILZ K. VV JCSJ DE QK6X K. QSA 2 QSA ? K. VA	CW	(JPL-Sib)
---	5264	12-9	0831	Tue	VVV ITD (x3) DE T9G (x2) QSA ? K	CW	(JPL-KOR)
---	4980	18-9	1243	Mon	Unid i.p. 3971 6027 8460 9742 6031 4062 6095 ...	CW	(JPL-CHN)
DPRK	15856	1-9	0556	Fri	North Korean diplo i.p.	DPRK-ARQ 600/600 LSB	(AB)
DPRK	16020	1-9	0745	Fri	Id CE: North Korean diplo i.p.	DPRK-ARQ 600/600 LSB	(AB)
DPRK	14455	1-9	0749	Fri	Id AB: North Korean diplo i.p.	DPRK-ARQ 600/600 LSB	(AB)
DPRK	16318	1-9	0827	Fri	Id D3: North Korean diplo i.p.	DPRK-ARQ 600/600 LSB	(AB-PHL)
DPRK	16242	3-9	0821	Sun	Id C8: North Korean diplo wkg D3. QSX 16318 kHz	DPRK-ARQ 600 LSB	(Danix- CHN)
DPRK	16318	3-9	0821	Sun	Id D3: North Korean diplo wkg C8. QSX 16242 kHz	DPRK-ARQ 600 LSB	(Danix- CHN)
DPRK	16003	4-9	0904	Mon	North Korean diplo i.p.	DPRK-ARQ 600/600	(AB)
DPRK	13333	5-9	0845	Tue	North Korean diplo i.p.	DPRK-ARQ 600/600 LSB	(AB)
DPRK	13015	5-9	1339	Tue	Id B3: North Korean diplo i.p.	DPRK-ARQ 1200 LSB	(AB)
DPRK	13444	9-9	0707	Sat	N. Korean diplo	DPRK-ARQ 1200	(AB)
DPRK	13105	13-9	0534	Wed	CF wkg CC. N. Korean diplo. No messages. QSX 13533 kHz	DPRK-ARQ 600 LSB	(Danix- OMA)
DPRK	13533	13-9	0534	Wed	CC wkg CF. N. Korean diplo. Offline crypto. QSX 13105 kHz	DPRK-ARQ 600 LSB	(Danix- OMA)
DPRK	18950	13-9	0613	Wed	D5 wkg ?. N. Korean diplo. No messages	DPRK-ARQ 600 LSB	(Danix- OMA)
DPRK	19176	13-9	0613	Wed	B1 wkg ?. N. Korean diplo. Offline crypto	DPRK-ARQ 600 LSB	(Danix- OMA)
DPRK	12222	13-9	0840	Wed	N. Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB-G)
DPRK	15856	19-9	0613	Tue	N. Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	15850	26-9	0559	Tue	N. Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13544	27-9	0732	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
E06	16174	2-9	1100	Sat	832 597 42 38909 99078 96903 ... 28476 43457 11239 597 42 00000	USB	(AB)
E06	14855	2-9	1200	Sat	832 597 42 38909 99078 96903 ... 28476 43457 11239 597 42 00000	USB	(AB)
E06	16174	3-9	1100	Sun	832 597 42 38909 99078 96903 ... 28476 43457 11239 597 42 00000	USB	(AB)
E06	14855	3-9	1200	Sun	832 597 42 38909 99078 96903 ... 28476 43457 11239 597 42 00000	USB	(AB)
E06	5186	7-9	2030	Thu	891 134 57 69834 91020 28974 ... 72813 26743 84732 134 57 00000 pause 89 followed by Windows shut down sound	USB	(AB/HFD)
E06	14370	8-9	0500	Fri	354 ...	USB	(HFD)
E06	16265	8-9	0600	Fri	354 ...	USB	(HFD)
E06	11426	11-9	0210	Mon	537 120 35 33558 90081 92476 14902 61998 11048 42597... 120 35 00000	USB	(PY)
E06	13934	14-9	1830	Thu	836 104 25 22186 26644 55635 ... 02219 75706 59961 104 25 00000	USB	(Danix)
E06	10453	14-9	1930	Thu	836 104 25 22186 26644 55635 ... 02219 75706 59961 104 25 00000	USB	(Danix)
E06	13934	15-9	1830	Fri	836 104 25 22186 26644 55635 ... 02219 75706 59961 104 25 00000	USB	(AB/Danix)
E06	10453	15-9	1930	Fri	836 104 25 22186 26644 55635 ... 02219 75706 59961 104 25 00000	USB	(AB/Danix)
E06	16174	16-9	1100	Sat	832 109 48 15739 89082 96903 ... 29248 91059 19258 109	USB	(Danix)

					48 00000		
E06	14855	16-9	1200	Sat	832 109 48 15739 89082 96903 ... 29248 91059 19258 109 48 00000	USB	(Danix)
E06	16174	17-9	1100	Sun	832 109 48 15739 89082 96903 ... 29248 91059 19258 109 48 00000	USB	(AB/Danix)
E06	14855	17-9	1200	Sun	832 109 48 15739 89082 96903 ... 29248 91059 19258 109 48 00000	USB	(AB/Danix)
E06	11426	18-9	0210	Mon	537 489 36 77590 87571 43672 ... 91281 94652 25745 489 36 00000	USB	(Danix-J)
E06	14477	18-9	0310	Mon	537 489 36 77590 87571 43672 ... 91281 94652 25745 489 36 00000	USB	(Danix-J)
E06	5186	21-9	2030	Thu	891 134 57 69834 91020 28974 ... 72813 26743 84732 134 57 00000. Windows shut down sound	USB	(AB)
E06	16265	22-9	0600	Fri	354 912 56 06054 71309 73625 ... 97924 05901 15789 912 56 00000	USB	(AB-RUS)
E06	10755	28-9	0835	Thu	975 975 975 00000	USB	(AnEur)
E07	18438	1-9	1100	Fri	439 439 439 000	USB	(AB/HFD)
E07	16338	1-9	1120	Fri	439 439 439 000	USB	(AB/HFD)
E07	9064	2-9	0600	Sat	024 1 830 27 94042 06490 80406 ... 81632 05708 73698 000 000	USB	(AB/HFD)
E07	10264	2-9	0620	Sat	024 1 830 27 94042 06490 80406 ... 81632 05708 73698 000 000	USB	(AB/HFD)
E07	11464	2-9	0640	Sat	024 1 830 27 94042 06490 80406 ... 81632 05708 73698 000 000	USB	(AB/HFD)
E07	9064	3-9	0600	Sun	024 1 830 27 94042 06490 80406 ... 81632 05708 73698 000 000	USB	(AB)
E07	10264	3-9	0620	Sun	024 1 830 27 94042 06490 80406 ... 81632 05708 73698 000 000	USB	(AB)
E07	11464	3-9	0640	Sun	024 1 830 27 94042 06490 80406 ... 81632 05708 73698 000 000	USB	(AB)
E07	13527	3-9	1700	Sun	526 526 526 000	AM	(AB/HFD)
E07	12227	3-9	1720	Sun	526 526 526 000	AM	(AB/HFD)
E07	14584	4-9	1900	Mon	535 1 678 83 50183 98199 52060 ... 18042 30120 42185 000 000	USB	(AB/HFD)
E07	13384	4-9	1920	Mon	535 1 678 83 50183 98199 52060 ... 18042 30120 42185 000 000	USB	(AB/HFD)
E07	11584	4-9	1940	Mon	535 1 678 83 50183 98199 52060 ... 18042 30120 42185 000 000	USB	(AB)
E07	18438	5-9	1100	Tue	439 439 439 000	USB	(AB)
E07	16338	5-9	1120	Tue	439 439 439 000	USB	(AB)
E07	13527	6-9	1700	Wed	526 526 526 000	AM	(AB)
E07	12227	6-9	1720	Wed	526 526 526 000	AM	(AB/BvR)
E07	14584	6-9	1900	Wed	535 1 678 83 50183 98199 52060 ... 18042 30120 42185 000 000	USB	(AB)
E07	13384	6-9	1920	Wed	535 1 678 83 50183 98199 52060 ... 18042 30120 42185 000 000	USB	(AB)
E07	11584	6-9	1940	Wed	535 1 678 83 50183 98199 52060 ... 18042 30120 42185 000 000	USB	(AB)
E07	9387	7-9	2010	Thu	358 358 358 1 239 37 239 37 0x243 08203 29322 ... 75515 20545 71274 000 000	AM	(AB/HFD)
E07	7526	7-9	2030	Thu	358 358 358 1 239 37 239 37 0x243 08203 29322 ... 75515 20545 71274 000 000	AM	(AB/HFD)
E07	5884	7-9	2050	Thu	358 358 358 1 239 37 239 37 0x243 08203 29322 ... 75515 20545 71274 000 000	AM	(AB/HFD)
E07	18438	8-9	1100	Fri	439 439 439 000	USB	(AB)
E07	16338	8-9	1120	Fri	439 439 439 000	USB	(AB)
E07	9064	9-9	0600	Sat	024 1 830 27 94042 06490 80406 ... 81632 05708 73698 000 000	USB	(AB)
E07	10264	9-9	0620	Sat	024 1 830 27 94042 06490 80406 ... 81632 05708 73698 000 000	USB	(AB)
E07	11464	9-9	0640	Sat	024 1 830 27 94042 06490 80406 ... 81632 05708 73698 000 000	USB	(AB)
E07	9064	10-9	0600	Sun	024 1 830 27 94042 06490 80406 ... 81632 05708 73698 000 000	USB	(AB/BvR)
E07	10264	10-9	0620	Sun	024 1 830 27 94042 06490 80406 ... 81632 05708 73698 000 000	USB	(AB/BvR)
E07	11464	10-9	0640	Sun	024 1 830 27 94042 06490 80406 ... 81632 05708 73698	USB	(AB/BvR)

					000 000		
<b>E07</b>	13527	10-9	1700	Sun	526 526 526 000	AM	(AB)
<b>E07</b>	12227	10-9	1720	Sun	526 526 526 000	AM	(AB)
<b>E07</b>	11584	11-9	1900	Mon	535 535 535 1 922 97 922 97 57940 65537 58044 ... 90523 84575 02192 000 000	USB	(AB)
<b>E07</b>	13384	11-9	1900	Mon	535 535 535 1 922 97 922 97 57940 65537 58044 ... 90523 84575 02192 000 000	USB	(AB)
<b>E07</b>	14584	11-9	1900	Mon	535 535 535 1 922 97 922 97 57940 65537 58044 ... 90523 84575 02192 000 000	USB	(AB)
<b>E07</b>	13527	13-9	1700	Wed	526 526 526 000	AM	(AB)
<b>E07</b>	12227	13-9	1720	Wed	526 526 526 000	AM	(AB)
<b>E07</b>	14584	13-9	1900	Wed	535 535 535 1 922 97 922 97 57940 65537 58044 ... 90523 84575 02192 000 000	USB	(AB)
<b>E07</b>	13384	13-9	1920	Wed	535 535 535 1 922 97 922 97 57940 65537 58044 ... 90523 84575 02192 000 000	USB	(AB)
<b>E07</b>	11584	13-9	1940	Wed	535 535 535 1 922 97 922 97 57940 65537 58044 ... 90523 84575 02192 000 000	USB	(AB)
<b>E07</b>	7528	14-9	2030	Thu	358 358 358 000	AM	(AB)
<b>E07</b>	9064	16-9	0600	Sat	024 1 830 27 94042 06490 80406 ... 81632 05708 73698 000 000	USB	(AB)
<b>E07</b>	10264	16-9	0620	Sat	024 1 830 27 94042 06490 80406 ... 81632 05708 73698 000 000	USB	(AB/BvR)
<b>E07</b>	11464	16-9	0640	Sat	024 1 830 27 94042 06490 80406 ... 81632 05708 73698 000 000	USB	(AB/BvR)
<b>E07</b>	9064	17-9	0600	Sun	024 1 830 27 94042 06490 80406 ... 81632 05708 73698 000 000	USB	(AB)
<b>E07</b>	10264	17-9	0620	Sun	024 1 830 27 94042 06490 80406 ... 81632 05708 73698 000 000	USB	(AB)
<b>E07</b>	11464	17-9	0640	Sun	024 1 830 27 94042 06490 80406 ... 81632 05708 73698 000 000	USB	(AB)
<b>E07</b>	13527	17-9	1700	Sun	526 526 526 1 166 75 166 75 53779 28363 64337 ... 52794 53085 23794 000 000	AM	(AB)
<b>E07</b>	12227	17-9	1720	Sun	526 526 526 1 166 75 166 75 53779 28363 64337 ... 52794 53085 23794 000 000	AM	(AB/Grz)
<b>E07</b>	10627	17-9	1740	Sun	526 526 526 1 166 75 166 75 53779 28363 64337 ... 52794 53085 23794 000 000	AM	(AB)
<b>E07</b>	11584	18-9	1900	Mon	535 535 535 1 297 112 297 112 04760 79631 54290 ... 30656 96301 55209 000 000	USB	(AB)
<b>E07</b>	13384	18-9	1900	Mon	535 535 535 1 297 112 297 112 04760 79631 54290 ... 30656 96301 55209 000 000	USB	(AB)
<b>E07</b>	14584	18-9	1900	Mon	535 535 535 1 297 112 297 112 04760 79631 54290 ... 30656 96301 55209 000 000	USB	(AB)
<b>E07</b>	18438	19-9	1100	Tue	439 439 439 1 7843 57 7843 57 15326 30679 32290 ... 79310 08387 45687 000 000	USB	(AB-G)
<b>E07</b>	16338	19-9	1120	Tue	439 439 439 1 7843 57 7843 57 15326 30679 32290 ... 79310 08387 45687 000 000	USB	(AB-G)
<b>E07</b>	14938	19-9	1140	Tue	439 439 439 1 7843 57 7843 57 15326 30679 32290 ... 79310 08387 45687 000 000	USB	(AB)
<b>E07</b>	13527	20-9	1700	Wed	526 526 526 1 166 75 166 75 53779 28363 64337 ... 52794 53085 23794 000 000	AM	(AB-G)
<b>E07</b>	12227	20-9	1720	Wed	526 526 526 1 166 75 166 75 53779 28363 64337 ... 52794 53085 23794 000 000	AM	(AB/BvR)
<b>E07</b>	10627	20-9	1740	Wed	526 526 526 1 166 75 166 75 53779 28363 64337 ... 52794 53085 23794 000 000	AM	(AB/BvR)
<b>E07</b>	14584	20-9	1900	Wed	535 535 535 1 297 112 297 112 04760 79631 54290 ... 95590 02901 30656 96301 55209 000 000	USB	(AB)
<b>E07</b>	13384	20-9	1920	Wed	535 535 535 1 297 112 297 112 04760 79631 54290 ... 95590 02901 30656 96301 55209 000 000	USB	(AB)
<b>E07</b>	11584	20-9	1940	Wed	535 535 535 1 297 112 297 112 04760 79631 54290 ... 95590 02901 30656 96301 55209 000 000	USB	(AB)
<b>E07</b>	9387	21-9	2010	Thu	358 358 358 000	AM	(AB)
<b>E07</b>	7526	21-9	2030	Thu	358 358 358 000	AM	(AB)
<b>E07</b>	18438	22-9	1100	Fri	439 439 439 1 7843 57 7843 57 15326 30679 32290 ... 79310 08387 45687 000 000	USB	(AB-RUS)
<b>E07</b>	16338	22-9	1120	Fri	439 439 439 1 7843 57 7843 57 15326 30679 32290 ... 79310 08387 45687 000 000	USB	(AB-RUS)
<b>E07</b>	14938	22-9	1140	Fri	439 439 439 1 7843 57 7843 57 15326 30679 32290 ...	USB	(AB)

					79310 08387 45687 000 000		
<b>E07</b>	9064	23-9	0600	Sat	024 1 830 27 94042 06490 80406 ... 81632 05708 73698 000 000	USB	(AB)
<b>E07</b>	10264	23-9	0620	Sat	024 1 830 27 94042 06490 80406 ... 81632 05708 73698 000 000	USB	(AB)
<b>E07</b>	11464	23-9	0640	Sat	024 1 830 27 94042 06490 80406 ... 81632 05708 73698 000 000	USB	(AB)
<b>E07</b>	9064	24-9	0600	Sun	024 1 830 27 94042 06490 80406 ... 81632 05708 73698 000 000	USB	(AB)
<b>E07</b>	10264	24-9	0620	Sun	024 1 830 27 94042 06490 80406 ... 81632 05708 73698 000 000	USB	(AB)
<b>E07</b>	11464	24-9	0640	Sun	024 1 830 27 94042 06490 80406 ... 81632 05708 73698 000 000	USB	(AB)
<b>E07</b>	13527	24-9	1700	Sun	526 526 526 1 738 78 738 78 20138 83825 33072 ... 86600 96800 08741 000 000	AM	(AB/MPJ)
<b>E07</b>	12227	24-9	1720	Sun	526 526 526 1 738 78 738 78 20138 83825 33072 ... 86600 96800 08741 000 000	AM	(AB/MPJ)
<b>E07</b>	10627	24-9	1740	Sun	526 526 526 1 738 78 738 78 20138 83825 33072 ... 86600 96800 08741 000 000	AM	(AB/MPJ)
<b>E07</b>	13384	25-9	1900	Mon	535 535 535 000	USB	(AB/MPJ)
<b>E07</b>	14584	25-9	1900	Mon	535 535 535 000	USB	(AB/MPJ)
<b>E07</b>	18438	26-9	1100	Tue	439 439 439 000	USB	(AB- G/MPJ)
<b>E07</b>	16338	26-9	1120	Tue	439 439 439 000	USB	(AB- G/MPJ)
<b>E07</b>	13527	27-9	1700	Wed	526 526 526 1 738 78 738 78 20138 83825 33072 ... 86600 96800 08741 000 000	AM	(AB)
<b>E07</b>	12227	27-9	1720	Wed	526 526 526 1 738 78 738 78 20138 83825 33072 ... 86600 96800 08741 000 000	AM	(AB)
<b>E07</b>	10627	27-9	1740	Wed	526 526 526 1 738 78 738 78 20138 83825 33072 ... 86600 96800 08741 000 000	AM	(AB)
<b>E07</b>	14584	27-9	1900	Wed	535 535 535 000	USB	(AB/MPJ)
<b>E07</b>	13384	27-9	1920	Wed	535 535 535 000	USB	(AB/MPJ)
<b>E07</b>	9387	28-9	2010	Thu	358 358 358 1 149 64 149 64 43527 34152 14132 ... 20471 53343 07686 000 000	AM	(AB)
<b>E07</b>	7526	28-9	2030	Thu	358 358 358 1 149 64 149 64 43527 34152 14132 ... 20471 53343 07686 000 000	AM	(AB)
<b>E07</b>	5884	28-9	2050	Thu	358 358 358 1 149 64 149 64 43527 34152 14132 ... 20471 53343 07686 000 000	AM	(AB)
<b>E07</b>	18438	29-9	1100	Fri	439 439 439 000	USB	(AB- RUS/MPJ)
<b>E07</b>	16338	29-9	1120	Fri	439 439 439 000	USB	(AB/MPJ- RUS)
<b>E07</b>	9064	30-9	0600	Sat	024 024 024 725 85 725 85 08354 39836 44599 ... 46550 21865 01778 000 000	USB	(AB)
<b>E07</b>	10264	30-9	0620	Sat	024 024 024 725 85 725 85 08354 39836 44599 ... 46550 21865 01778 000 000	USB	(AB)
<b>E07</b>	11464	30-9	0640	Sat	024 024 024 725 85 725 85 08354 39836 44599 ... 46550 21865 01778 000 000	USB	(AB)
<b>E07a</b>	10583	1-9	1510	Fri	531 531 531 000	USB	(AB/MPJ/H FD)
<b>E07a</b>	9383	1-9	1530	Fri	531 531 531 000	USB	(AB/MPJ/H FD)
<b>E07a</b>	11153	2-9	0800	Sat	114 114 114 000	USB	(AB/HFD)
<b>E07a</b>	12153	2-9	0820	Sat	114 114 114 000	USB	(AB/HFD)
<b>E07a</b>	8144	6-9	2000	Wed	197 197 197 1 30197 261 53 261 53 26677 21885 75718 ... 72198 83225 27391 000 000	USB	(AB/HFD)
<b>E07a</b>	6944	6-9	2020	Wed	197 197 197 1 30197 261 53 261 53 26677 21885 75718 ... 72198 83225 27391 000 000	USB	(AB/RL/HF D)
<b>E07a</b>	5744	6-9	2040	Wed	197 197 197 1 30197 261 53 261 53 26677 21885 75718 ... 72198 83225 27391 000 000	USB	(AB/HFD)
<b>E07a</b>	6788	7-9	0430	Thu	741 741 741 1 30197 261 53 261 53 26677 21885 75718 ... 72198 83225 27391 000 000	USB	(AB/ES)
<b>E07a</b>	7488	7-9	0450	Thu	741 741 741 1 30197 261 53 261 53 26677 21885 75718 ... 72198 83225 27391 000 000	USB	(AB/ES)
<b>E07a</b>	8188	7-9	0510	Thu	741 741 741 1 30197 261 53 261 53 26677 21885 75718 ... 72198 83225 27391 000 000	USB	(AB/ES)



E07a	10583	8-9	1510	Fri	531 531 531 000	USB	(AB)
E07a	9383	8-9	1530	Fri	531 531 531 000	USB	(AB)
E07a	11153	9-9	0800	Sat	114 114 114 000	USB	(AB)
E07a	12153	9-9	0820	Sat	114 114 114 000	USB	(AB)
E07a	8144	13-9	2000	Wed	197 197 197 1 30197 261 53 261 53 26677 21885 75718 ... 72198 83225 27391 000 000	USB	(AB)
E07a	6944	13-9	2020	Wed	197 197 197 1 30197 261 53 261 53 26677 21885 75718 ... 72198 83225 27391 000 000	USB	(AB)
E07a	5744	13-9	2040	Wed	197 197 197 1 30197 261 53 261 53 26677 21885 75718 ... 72198 83225 27391 000 000	USB	(AB)
E07a	6788	14-9	0430	Thu	741 741 741 1 30197 261 53 261 53 26677 21885 75718 ... 72198 83225 27391 000 000	USB	(HFD)
E07a	7488	14-9	0450	Thu	741 741 741 1 30197 261 53 261 53 26677 21885 75718 ... 72198 83225 27391 000 000	USB	(HFD)
E07a	8188	14-9	0510	Thu	741 741 741 1 30197 261 53 261 53 26677 21885 75718 ... 72198 83225 27391 000 000	USB	(HFD)
E07a	10583	15-9	1510	Fri	531 531 531 000	USB	(AB)
E07a	9383	15-9	1530	Fri	531 531 531 000	USB	(AB)
E07a	11153	16-9	0800	Sat	114 114 114 000	USB	(AB/BvR)
E07a	12153	16-9	0820	Sat	114 114 114 000	USB	(AB/BvR/G rz)
E07a	8144	20-9	2000	Wed	197 197 197 000	USB	(AB)
E07a	6944	20-9	2020	Wed	197 197 197 000	USB	(AB/Grz)
E07a	6788	21-9	0430	Thu	741 741 741 000	USB	(AB/ES)
E07a	7488	21-9	0450	Thu	741 741 741 000	USB	(AB/ES)
E07a	10583	22-9	1510	Fri	531 531 531 000	USB	(AB)
E07a	9383	22-9	1530	Fri	531 531 531 000	USB	(AB)
E07a	11153	23-9	0800	Sat	114 114 114 000	USB	(AnEur)
E07a	12153	23-9	0820	Sat	114 114 114 000	USB	(AnEur)
E07a	8144	27-9	2000	Wed	197 197 197 1 38885 6885 43 6885 43 68876 94199 14229 ... 57040 79724 74454 000 000	USB	(AB)
E07a	6944	27-9	2020	Wed	197 197 197 1 38885 6885 43 6885 43 68876 94199 14229 ... 57040 79724 74454 000 000	USB	(AB)
E07a	5744	27-9	2040	Wed	197 197 197 1 38885 6885 43 6885 43 68876 94199 14229 ... 57040 79724 74454 000 000	USB	(AB)
E07a	6788	28-9	0430	Thu	741 741 741 1 38885 6885 43 6885 43 68876 94199 14229 ... 57040 79724 74454 000 000	USB	(AB)
E07a	7488	28-9	0450	Thu	741 741 741 1 38885 6885 43 6885 43 68876 94199 14229 ... 57040 79724 74454 000 000	USB	(AB)
E07a	8188	28-9	0450	Thu	741 741 741 1 38885 6885 43 6885 43 68876 94199 14229 ... 57040 79724 74454 000 000	USB	(AB)
E07a	10583	29-9	1510	Fri	531 531 531 000	USB	(AB/MPJ)
E07a	9383	29-9	1530	Fri	531 531 531 000	USB	(AB/MPJ)
E07a	11153	30-9	0800	Sat	114 114 114 000	USB	(AB)
E07a	12153	30-9	0820	Sat	114 114 114 000	USB	(AB)
E11	13470	1-9	0600	Fri	185/00	USB	(HFD)
E11	9963	1-9	0710	Fri	634/00	USB	(HFD)
E11	17410	1-9	0745	Fri	346/00	USB	(HFD)
E11	7840	1-9	1000	Fri	305/00	USB	(AB/MPJ/H FD)
E11	20286	1-9	1225	Fri	528/00	USB	(AB/MPJ)
E11	13873	1-9	1650	Fri	927/00	USB	(AB/MPJ/H FD)
E11	7377	1-9	2000	Fri	570/00	USB	(AB/HFD)
E11	8102	2-9	0710	Sat	496/00	USB	(AB)
E11	9200	2-9	0805	Sat	314/00	USB	(HFD)
E11	10302	2-9	1300	Sat	583/00	USB	(AB/MPJ)
E11	13046	2-9	1347	Sat	917/00	USB	(AB/HFD)
E11	10213	2-9	1705	Sat	391/00	USB	(AB/MPJ/H FD)
E11	5844	2-9	1730	Sat	402/00	USB	(AB/MPJ/H FD)
E11	8186	2-9	2005	Sat	366/00	USB	(AB/HFD)
E11	8102	3-9	0710	Sun	492/00	USB	(AB/HFD)
E11	6397	3-9	1605	Sun	233/00	USB	(HFD)
E11	6397	3-9	1605	Sun	233/00	USB	(AB/HFD)
E11	10448	3-9	1625	Sun	975/00	USB	(AB/HFD)

E11	13873	3-9	1650	Sun	926/00	USB	(AB)
E11	13470	3-9	1745	Sun	249/00	USB	(AB/RL- HOL/HFD)
E11	8186	3-9	2005	Sun	367/00	USB	(HFD)
E11	7317	4-9	0530	Mon	641/00	USB	(AB/HFD)
E11	13470	4-9	0600	Mon	181/00	USB	(AB)
E11	10213	4-9	0745	Mon	261/00	USB	(AB)
E11	6804	4-9	0820	Mon	432/00	USB	(AB)
E11	9399	4-9	0900	Mon	535/00	USB	(AB/HFD)
E11	13470	4-9	1745	Mon	240/00	USB	(AB)
E11	10800	5-9	0645	Tue	515/00	USB	(AB/HFD)
E11	9963	5-9	0710	Tue	635/00	USB	(AB)
E11	7840	5-9	1000	Tue	300/00	USB	(AB)
E11	8102	5-9	1045	Tue	576/00	USB	(HFD)
E11	13046	5-9	1345	Tue	917/00	USB	(AB)
E11	6397	5-9	1605	Tue	232/00	USB	(AB)
E11	10620	5-9	1925	Tue	551/00	USB	(AB)
E11	9399	6-9	0900	Wed	532/00	USB	(AB)
E11	5844	6-9	1730	Wed	406/00	USB	(AB/BvR)
E11	7317	7-9	0530	Thu	483/00	USB	(AB)
E11	10800	7-9	0645	Thu	518/00	USB	(AB)
E11	6804	7-9	0820	Thu	431/00	USB	(AB/HFD)
E11	10302	7-9	1300	Thu	580/00	USB	(AB/HFD)
E11	10330	7-9	1530	Thu	261/00	USB	(AB/HFD)
E11	10620	7-9	1925	Thu	553/00	USB	(AB/HFD)
E11	9963	8-9	0710	Fri	635/00	USB	(AB)
E11	7840	8-9	1000	Fri	309/00	USB	(AB)
E11	8102	9-9	0710	Sat	498/00	USB	(AB)
E11	9200	9-9	0805	Sat	310/00	USB	(AB)
E11	10302	9-9	1300	Sat	581/00	USB	(AB)
E11	5844	9-9	1730	Sat	400/00	USB	(AB)
E11	8186	9-9	2005	Sat	368/00	USB	(AB)
E11	8102	10-9	0710	Sun	490/00	USB	(AB/BvR)
E11	9200	10-9	0805	Sun	315/00	USB	(AB)
E11	13873	10-9	1650	Sun	925/00	USB	(AB)
E11	13470	10-9	1745	Sun	249/00	USB	(AB)
E11	8530	10-9	1910	Sun	614/00	USB	(AB)
E11	8186	10-9	2005	Sun	363/00	USB	(AB)
E11	5371	11-9	0450	Mon	416/00	USB	(AB)
E11	5371	11-9	0450	Mon	416/00	USB	(HFD)
E11	7317	11-9	0530	Mon	640/00	USB	(AB)
E11	13470	11-9	0600	Mon	185/00	USB	(AB)
E11	10213	11-9	0745	Mon	260/00	USB	(AB/HFD)
E11	6804	11-9	0820	Mon	436/00	USB	(AB)
E11	9399	11-9	0900	Mon	535/00	USB	(AB)
E11	13470	11-9	1746	Mon	242/00	USB	(BvR)
E11	10800	12-9	0645	Tue	510/00	USB	(AnEur)
E11	9963	12-9	0710	Tue	637/00	USB	(AnEur)
E11	12530	12-9	0820	Tue	132/00	USB	(AnEur)
E11	10246	12-9	0845	Tue	151/00	USB	(AnEur)
E11	13046	12-9	1345	Tue	919/00	USB	(AB)
E11	6397	12-9	1605	Tue	235/00	USB	(AnEur)
E11	10620	12-9	1925	Tue	557/00	USB	(HFD)
E11	10448	13-9	1625	Wed	970/00	USB	(AB)
E11	10213	13-9	1705	Wed	395/00	USB	(AB)
E11	5844	13-9	1730	Wed	404/00	USB	(AB)
E11	10213	13-9	1850	Wed	280/00	USB	(AB)
E11	10800	14-9	1645	Thu	332/00	USB	(AB)
E11	7864	14-9	1730	Thu	411/00	USB	(AB/HFD)
E11	10620	14-9	1925	Thu	558/00	USB	(AB)
E11	7840	15-9	1000	Fri	304/00	USB	(AB)
E11	7377	15-9	2000	Fri	570/00	USB	(AB)
E11	9200	16-9	0805	Sat	319/00	USB	(AB/BvR)
E11	10213	16-9	1705	Sat	394/00	USB	(AB)
E11	5844	16-9	1730	Sat	408/00	USB	(AB/Grz)
E11	8186	16-9	2005	Sat	360/00	USB	(AB)
E11	9200	17-9	0805	Sun	310/00	USB	(AB)

E11	6397	17-9	1605	Sun	231/00	USB	(AB)
E11	10448	17-9	1625	Sun	972/00	USB	(AB)
E11	13470	17-9	1745	Sun	245/00	USB	(AB)
E11	8530	17-9	1910	Sun	616/00	USB	(AB)
E11	8186	17-9	2005	Sun	367/00	USB	(AB)
E11	7317	18-9	0530	Mon	649/00	USB	(AB)
E11	13470	18-9	0600	Mon	185/00	USB	(AB)
E11	12153	18-9	0640	Mon	949/00	USB	(AB)
E11	6804	18-9	0820	Mon	431/00	USB	(AB)
E11	9399	18-9	0900	Mon	534/00	USB	(AB)
E11	12530	19-9	0820	Tue	135/00	USB	(AB)
E11	10246	19-9	0845	Tue	156/00	USB	(AB)
E11	7840	19-9	1000	Tue	309/00	USB	(AB)
E11	8102	19-9	1045	Tue	571/00	USB	(AB)
E11	7727	19-9	1205	Tue	461/00	USB	(AB)
E11	13046	19-9	1345	Tue	911/00	USB	(AB-G)
E11	10800	19-9	1645	Tue	338/00	USB	(AB)
E11	12153	20-9	0640	Wed	942/00	USB	(AB)
E11	17410	20-9	0745	Wed	343/00	USB	(AB-GRC)
E11	12530	20-9	0820	Wed	135/00	USB	(AB)
E11	9399	20-9	0900	Wed	538/00	USB	(AB)
E11	6808	20-9	0930	Wed	279/00	USB	(AB)
E11	7727	20-9	1205	Wed	460/00	USB	(AB)
E11	10448	20-9	1625	Wed	972/00	USB	(AB)
E11	5844	20-9	1730	Wed	400/00	USB	(AB/BvR)
E11	7317	21-9	0530	Thu	643/00	USB	(AB)
E11	6804	21-9	0820	Thu	439/00	USB	(AB)
E11	10246	21-9	0845	Thu	159/00	USB	(AB)
E11	6807	21-9	0930	Thu	277/00	USB	(AB)
E11	10302	21-9	1300	Thu	588/00	USB	(AB-G)
E11	10800	21-9	1645	Thu	331/00	USB	(AB)
E11	7864	21-9	1730	Thu	416/00	USB	(AB)
E11	10620	21-9	1925	Thu	550/00	USB	(AB)
E11	13470	22-9	0600	Fri	189/00	USB	(AB)
E11	17410	22-9	0745	Fri	347/00	USB	(AB)
E11	7840	22-9	1000	Fri	306/00	USB	(AB)
E11	20286	22-9	1225	Fri	528/00	USB	(AB-GRC)
E11	13873	22-9	1650	Fri	920/00	USB	(AB)
E11	8530	22-9	1910	Fri	617/00	USB	(AB/GHn)
E11	7377	22-9	2000	Fri	573/00	USB	(AB)
E11	8102	23-9	0710	Sat	495/00	USB	(AB)
E11	10302	23-9	1300	Sat	587/00	USB	(AB)
E11	13046	23-9	1345	Sat	915/00	USB	(AB)
E11	5844	23-9	1730	Sat	404/00	USB	(AB)
E11	8102	24-9	0710	Sun	492/00	USB	(AB)
E11	10448	24-9	1625	Sun	975/00	USB	(AB/MPJ)
E11	13873	24-9	1650	Sun	929/00	USB	(AB/MPJ)
E11	8530	24-9	1910	Sun	614/00	USB	(AB/MPJ)
E11	5371	25-9	0450	Mon	411/00	USB	(AB)
E11	12153	25-9	0640	Mon	949/00	USB	(AB)
E11	10213	25-9	0745	Mon	267/00	USB	(AB)
E11	20286	25-9	1225	Mon	527/00	USB	(AB-GRC/MPJ)
E11	13470	25-9	1745	Mon	242/00	USB	(AB/MPJ)
E11	10800	26-9	0645	Tue	518/00	USB	(AB)
E11	12530	26-9	0820	Tue	131/00	USB	(AB)
E11	10246	26-9	0845	Tue	154/00	USB	(AB)
E11	7727	26-9	1205	Tue	469/00	USB	(AB/MPJ)
E11	6397	26-9	1605	Tue	231/00	USB	(AB)
E11	10800	26-9	1645	Tue	335/00	USB	(AB/MPJ)
E11	12153	27-9	0640	Wed	940/00	USB	(AB)
E11	17410	27-9	0745	Wed	349/00	USB	(AB-GRC)
E11	12530	27-9	0820	Wed	135/00	USB	(AB)
E11	6808	27-9	0930	Wed	275/00	USB	(AB/MPJ)
E11	7727	27-9	1205	Wed	465/00	USB	(AB/MPJ)
E11	10448	27-9	1625	Wed	977/00	USB	(AB/MPJ)
E11	10213	27-9	1705	Wed	396/00	USB	(MPJ)

E11	10800	28-9	0645	Thu	512/00	USB	(AB)
E11	10246	28-9	0845	Thu	156/00	USB	(AB)
E11	6807	28-9	0930	Thu	279/00	USB	(AB-UKR)
E11	10330	28-9	1530	Thu	266/00	USB	(AB/GHn/ MPJ)
E11	10800	28-9	1645	Thu	335/00	USB	(AB/MPJ)
E11	7864	28-9	1730	Thu	411/00	USB	(MPJ)
E11	9963	29-9	0710	Fri	639/00	USB	(AB)
E11	20286	29-9	1225	Fri	527/00	USB	(AB- GRC/MPJ)
E11	13873	29-9	1650	Fri	920/00	USB	(AB/MPJ)
E11	8530	29-9	1910	Fri	616/00	USB	(AB)
E11	8102	30-9	0710	Sat	497/00	USB	(AB)
E11	9200	30-9	0805	Sat	314/00	USB	(AB)
E11	10213	30-9	1705	Sat	390/00	USB	(AB/MPJ)
E11	8186	30-9	2005	Sat	366/00	USB	(AB)
E11a	8530	1-9	1910	Fri	611/33 Attention 03969 61144 40656 ... 07835 04177 94048 Attention, rpt msg, out	USB	(AB)
E11a	8530	3-9	1910	Sun	611/33 Attention 03969 61144 40656 ... 07835 04177 94048 Attention, rpt msg, out	USB	(AB/RL- HOL/HFD)
E11a	5371	4-9	0450	Mon	413/37 Attention 65151 24104 05793 ... 99983 38619 29484 Attention, rpt msg, out	USB	(AB)
E11a	10286	4-9	1225	Mon	521/35 Attention 59460 59157 83327 ... 91929 06472 12136 Attention, rpt msg, out	USB	(AB/GNL/H FD)
E11a	12530	5-9	0820	Tue	131/31 Attention 02446 67943 03898 ... 69120 80229 x2118 Attention, rpt msg, out	USB	(HFD)
E11a	10246	5-9	0845	Tue	156/23 Attention 19690 61648 43933 ... 68839 22551 24881 Attention, rpt msg, out	USB	(AB/HFD)
E11a	7727	5-9	1205	Tue	467/41 Attention 44174 10032 09351 ... 52751 87498 64944 Attention, rpt msg, out	USB	(AB/HFD)
E11a	10800	5-9	1645	Tue	332/34 Attention 10340 55665 30365 ... 33810 93653 04866 Attention, rpt msg, out	USB	(AB/HFD)
E11a	12530	6-9	0820	Wed	131/31 Attention 02446 67943 03898 ... 69120 80229 x2118 Attention, rpt msg, out	USB	(AB)
E11a	10448	6-9	1625	Wed	978/39 Attention 67125 62890 65559 ... 13787 28583 03210 Attention, rpt msg, out	USB	(AB/BvR)
E11a	10246	7-9	0845	Thu	156/23 Attention 19690 61648 43933 ... 68839 22551 24881 Attention, rpt msg, out	USB	(AB)
E11a	6807	7-9	0930	Thu	270/38 Attention 49677 27635 24901 ... 64084 83109 65190 Attention, rpt msg, out	USB	(AB/HFD)
E11a	10800	7-9	1645	Thu	332/34 Attention 10340 55665 30365 ... 33810 93653 04866 Attention, rpt msg, out	USB	(AB)
E11a	7864	7-9	1730	Thu	413/37 Attention 65151 14104 05793 ... 99983 38619 29484 Attention, rpt msg, out	USB	(AB)
E11a	10213	9-9	1705	Sat	393/38 Attention ...	USB	(AB)
E11a	10448	10-9	1625	Sun	978/39 Attention 67125 62890 65559 ... 13787 28583 03210 Attention, rpt msg, out	USB	(AB)
E11a	12153	11-9	0640	Mon	948/31 Attention 67266 05440 58048 ... 74257 99075 41813 Attention, rpt msg, out	USB	(AB)
E11a	12153	13-9	0840	Wed	948/31 Attention 67266 05440 58048 ... 74257 99075 41813 Attention, rpt msg, out	USB	(AB-G)
E11a	13873	15-9	1650	Fri	922/40 Attention 30518 84480 49374 60159 ... 33644 32873 60333 Attention, rpt msg, out	USB	(AB)
E11a	8102	16-9	0710	Sat	495/35 Attention 81999 21544 91824 ... 50654 74255 85773 Attention, rpt msg, out	USB	(AB/BvR)
E11a	8102	17-9	0710	Sun	495/35 Attention 81999 21544 91824 ... 50654 74255 85773 Attention, rpt msg, out	USB	(AB)
E11a	13873	17-9	1650	Sun	922/40 Attention 30518 84480 49374 ... 33644 32873 60333 Attention, rpt msg, out	USB	(AB)
E11a	10213	18-9	0745	Mon	267/34 Attention 91760 68602 15860 ... 14479 43183 94791 Attention, rpt msg, out	USB	(AB)
E11a	10800	19-9	0645	Tue	515/36 Attention 91989 30615 64505 ... 78460 23439 22358 Attention, rpt msg, out	USB	(AB)
E11a	9963	19-9	0710	Tue	633/32 Attention 42345 33327 51391 ... 19391 01435 25695 Attention, rpt msg, out	USB	(AB)
E11a	5844	20-9	1730	Wed	404/32 Attention 73308 75334 78266 ... 15699 12031 72041 Attention, rpt msg, out	USB	(AB)

E11a	10800	21-9	0645	Thu	515/36 Attention 91989 30615 64505 ... 78460 23439 22358 Attention, rpt msg, out	USB	(AB)
E11a	10213	21-9	0745	Thu	267/34 Attention 91760 68602 15860 ... 14479 43183 94791 Attention, rpt msg, out	USB	(AB)
E11a	9963	22-9	0710	Fri	633/32 Attention 42345 33327 51391 ... 19391 01435 25695 Attention, rpt msg, out	USB	(AB)
E11a	8186	23-9	2005	Sat	365/33 Attention 88973 16272 11405 ... 29930 41477 99110 Attention, rpt msg, out	USB	(AB)
E11a	9200	24-9	0805	Sun	312/33 Attention 87570 33446 12682 ... 89867 16969 26173 Attention, rpt msg, out	USB	(AB)
E11a	6397	24-9	1605	Sun	231/39 Attention 46250 20755 67024 ... 36536 37108 06203 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	13470	24-9	1745	Sun	244/33 Attention 43528 66409 59204 ... 70937 39974 58048	USB	(AB/MPJ)
E11a	8186	24-9	2005	Sun	365/33 Attention 88973 16272 11405 ... 29930 41477 99110 Attention, rpt msg, out	USB	(AB)
E11a	7317	25-9	0530	Mon	648/36 Attention 90811 41757 95505 ... 72972 52249 80881 Attention, rpt msg, out	USB	(AB)
E11a	13470	25-9	0600	Mon	182/28 Attention 78977 79226 99380 ... 97882 54770 83167 Attention, rpt msg, out	USB	(AB)
E11a	6804	25-9	0820	Mon	436/40 Attention 69601 34746 42826 ... 26472 06810 28317 Attention, rpt msg, out	USB	(AB)
E11a	9399	25-9	0900	Mon	539/60 Attention 04903 47291 26470 ... 86808 63287 25709 Attention, rpt msg, out. Unusual long message	USB	(AB)
E11a	7840	26-9	1000	Tue	305/30 Attention 52457 53979 12372 ... 04572 66325 54771 Attention, rpt msg, out	USB	(MPJ)
E11a	8102	26-9	1045	Tue	577/40 Attention 47749 25468 68487 ... 73244 24813 93580 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	13046	26-9	1345	Tue	919/33 Attention 80146 89917 98521 ... 59093 23338 19039 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	10620	26-9	1925	Tue	557/35 Attention 66623 84986 62540 ... 04610 07823 98305 Attention, rpt msg, out	USB	(AB/MPJ/G Hn)
E11a	9399	27-9	0900	Wed	539/60 Attention 04903 47291 26470 ... 86808 63287 25709 Attention, rpt msg, out. Unusual long message	USB	(AB/MPJ)
E11a	5844	27-9	1730	Wed	404/32 Attention 73308 75334 78266 ... 15699 12031 72041 Attention, rpt msg, out	USB	(AB/GHn/ MPJ)
E11a	7317	28-9	0530	Thu	648/36 Attention 90811 41757 95505 ... 72972 52249 80881 Attention, rpt msg, out	USB	(AB)
E11a	6804	28-9	0820	Thu	436/40 Attention 69601 34746 42826 ... 26472 06810 28317 Attention, rpt msg, out	USB	(AB)
E11a	10302	28-9	1300	Thu	585/33 Attention 56935 99394 48365 ... 39799 42705 77412 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	10620	28-9	1925	Thu	557/35 Attention 66623 84986 62540 ... 04610 07823 98305 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	13470	29-9	0600	Fri	182/28 Attention 78977 79226 99380 ... 97882 54770 83167 Attention, rpt msg, out	USB	(AB)
E11a	17410	29-9	0745	Fri	346/37 Attention ...	USB	(AB)
E11a	7840	29-9	1000	Fri	305/30 Attention 52457 53979 12372 ... 04572 66325 54771 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	7377	29-9	2000	Fri	577/40 Attention 47749 25468 68487 ... 73244 24813 93580 Attention, rpt msg, out	USB	(AB)
E11a	10302	30-9	1300	Sat	585/33 Attention 56935 99394 48365 ... 39799 42705 77412 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	13046	30-9	1345	Sat	919/33 Attention 80146 89917 98521 ... 59093 23338 19039 Attention, rpt msg, out	USB	(AB/MPJ)
E17z	14260	7-9	0800	Thu	674 829 5 52401 63919 92699 14600 74248 829 5 00000	USB	(AB/HFD)
E17z	12930	7-9	0810	Thu	674 829 5 52401 63919 92699 14600 74248 829 5 00000	USB	(AB/HFD)
E17z	5140	17-9	1904	Sun	i.p. 598 13 37395 37446 86535 89303 33244 39054 35843 37369 37633 33307 34888 33665 56095 598 598 13 000	USB	(Topol)
E17z	14260	21-9	0800	Thu	674 910 5 43611 43110 74663 58715 00463 910 5 00000	USB	(AB)
E17z	12930	21-9	0810	Thu	674 910 5 43611 43110 74663 58715 00463 910 5 00000	USB	(AB)
E17z	14260	28-9	0800	Thu	674 910 5 43611 43110 74663 58715 00463 910 5 00000	USB	(AB)
E17z	12930	28-9	0810	Thu	674 910 5 43611 43110 74663 58715 00463 910 5 00000	USB	(AB)
EGY	17416.6	8-9	0658	Fri	i.p. ZPUIII 788:%%%%(%%888(%%%%:%%88878888' )\$( '4@2 )#@(@ 2 / 0 VMZJD HQKFY JGQ LRMFASR YMDW HUXD	SITOR-A 100/170	(AB)
EGY	16022.7	20-9	0803	Wed	MFA Cairo msg to OOVC: Egyptian embassy New Delhi	SITOR-A	(AB)

						100/170	
F01	13384	2-9	1810	Sat	Russian diplo/intel. )5761 00000+++++++162	FSK 200/500	(AB/Danix/ MPJ/HFD)
F01	11441	2-9	1820	Sat	Russian diplo/intel. )5761 00000+++++++162	FSK 200/500	(AB/Danix/ MPJ/HFD)
F01	9184	2-9	1830	Sat	Russian diplo/intel. )5761 00000+++++++162	FSK 200/500	(AB/Danix/ MPJ/HFD)
F01	17471	4-9	0000	Mon	Russian diplo/intel. Too weak to decode	FSK 200/500	(Danix-J)
F01	15672	4-9	0025	Mon	Russian diplo/intel. Header: 11177 00117 68423 01036 01779	FSK 400/500	(Danix- USA)
F01	13892	4-9	0035	Mon	Russian diplo/intel. Header: 11177 00117 68423 01036 01779	FSK 200/500	(Danix- USA)
F01	14421	4-9	0100	Mon	Russian diplo/intel. Too weak to decode	FSK 200/500	(Danix-J)
F01	15672	4-9	0125	Mon	Russian diplo/intel. Header: 11177 00117 68423 01036 01779	FSK 400/500	(Danix- USA)
F01	13892	4-9	0135	Mon	Russian diplo/intel. Header: 11177 00117 68423 01036 01779	FSK 200/500	(Danix- USA)
F01	13467	6-9	1840	Wed	Russian diplo/intel. 60568 11554 09736 ... 65251 89706 51062 00000	FSK 200/500	(Danix)
F01	11084	6-9	1850	Wed	Russian diplo/intel. 60568 11554 09736 ... 65251 89706 51062 00000	FSK 200/500	(Danix)
F01	9052	6-9	1900	Wed	Russian diplo/intel. 60568 11554 09736 ... 65251 89706 51062 00000	FSK 200/500	(Danix)
F01	13467	8-9	1840	Fri	Russian diplo/intel. 60568 11554 09736 ... 65251 89706 51062 00000	FSK 200/500	(Danix- RUS)
F01	11084	8-9	1850	Fri	Russian diplo/intel. 60568 11554 09736 ... 65251 89706 51062 00000	FSK 200/500	(Danix- RUS)
F01	9052	8-9	1900	Fri	Russian diplo/intel. 60568 11554 09736 ... 65251 89706 51062 00000	FSK 200/500	(Danix- RUS)
F01	13384	9-9	1800	Sat	Russian diplo/intel. Test: 46464646464646464646	FSK 200/500	(AB)
F01	13384	9-9	1810	Sat	Russian diplo/intel. )5761 00000+++++++162	FSK 200/500	(AB/Danix)
F01	11441	9-9	1820	Sat	Russian diplo/intel. )5761 00000+++++++162	FSK 200/500	(AB/Danix)
F01	9184	9-9	1830	Sat	Russian diplo/intel. )5761 00000+++++++162	FSK 200/500	(AB/Danix)
F01	17471	11-9	0000	Mon	Russian diplo/intel. 70997 32363 89108 ... 49370 62760 72245 00000	FSK 200/500	(Danix-J)
F01	15672	11-9	0025	Mon	Russian diplo/intel. Carrier only	FSK 200/500	(Danix- USA)
F01	13892	11-9	0035	Mon	Russian diplo/intel. Carrier only	FSK 200/500	(Danix- USA)
F01	14421	11-9	0100	Mon	Russian diplo/intel. 70997 32363 89108 ... 49370 62760 72245 00000	FSK 200/500	(Danix-J)
F01	15672	11-9	0125	Mon	Russian diplo/intel. Header: 11177 00117 58421 07037 01179	FSK 200/500	(Danix- USA)
F01	13892	11-9	0135	Mon	Russian diplo/intel. Header: 11177 00117 58421 07037 01179	FSK 200/500	(Danix- USA)
F01	20618	15-9	2230	Fri	Russian diplo/intel. Header: 11177 00116 18304 15037 01389	FSK 200/500	(Danix- USA)
F01	18048	15-9	2240	Fri	Russian diplo/intel. Header: 11177 00116 18304 15037 01389	FSK 200/500	(Danix- USA)
F01	20618	15-9	2330	Fri	Russian diplo/intel. Header: 11177 00116 18304 15037 01389	FSK 200/500	(Danix- USA)
F01	18048	15-9	2340	Fri	Russian diplo/intel. Header: 11177 00116 18304 15037 01389	FSK 200/500	(Danix- USA)
F01	5089	16-9	1600	Sat	Russian diplo/intel. Two messages: 98897 54202 79842 ... 44596 37514 56250 00000 and 23962 88900 47234 ... 27969 57314 00000	FSK 200/500	(Danix)
F01	7337	16-9	1610	Sat	Russian diplo/intel. Two messages: 98897 54202 79842 ... 44596 37514 56250 00000 and 23962 88900 47234 ... 27969 57314 00000	FSK 200/500	(Danix)
F01	9481	16-9	1620	Sat	Russian diplo/intel. Two messages: 98897 54202 79842 ... 44596 37514 56250 00000 and 23962 88900 47234 ... 27969 57314 00000	FSK 200/500	(Danix)
F01	13384	16-9	1810	Sat	Russian diplo/intel. )5761 00000+++++++162	FSK 200/500	(AB/Danix)
F01	11441	16-9	1820	Sat	Russian diplo/intel. )5761 00000+++++++162	FSK 200/500	(AB/Danix)
F01	9184	16-9	1830	Sat	Russian diplo/intel. )5761 00000+++++++162	FSK 200/500	(AB/Danix)
F01	17471	18-9	0000	Mon	Russian diplo/intel. 26145 42831 60739 ... 84602 23295 77245 00000	FSK 200/500	(Danix)



[illegible]

<b>F06</b>	11643	5-9	1520	Tue	Russian diplo/intel. Null message	FSK 200/1000	(Danix)
<b>F06</b>	14828	5-9	1650	Tue	Russian diplo/intel. 11166 10053 56248 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	12214	5-9	1700	Tue	Russian diplo/intel. 11166 10053 56248 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	10534	5-9	1710	Tue	Russian diplo/intel. 11166 10053 56248 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	15930	6-9	0600	Wed	Russian diplo/intel. Header: 11166 40122 18967 02037 03649	FSK 200/1000	(Danix-J)
<b>F06</b>	13503	6-9	0610	Wed	Russian diplo/intel. Header: 11166 40122 18967 02037 03649	FSK 200/1000	(Danix-J)
<b>F06</b>	11109	6-9	0620	Wed	Russian diplo/intel. Header: 11166 40122 18967 02037 03649	FSK 200/1000	(Danix-J)
<b>F06</b>	16021	6-9	0800	Wed	Russian diplo/intel. 11166 70048 42716 06032 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	14378	6-9	0810	Wed	Russian diplo/intel. 11166 70048 42716 06032 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	12158	6-9	0820	Wed	Russian diplo/intel. 11166 70048 42716 06032 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	18517	6-9	1230	Wed	Russian diplo/intel. 11166 90073 17935 06065 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	16309	6-9	1240	Wed	Russian diplo/intel. 11166 90073 17935 06065 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	14464	6-9	1250	Wed	Russian diplo/intel. 11166 90073 17935 06065 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	15930	7-9	0600	Thu	Russian diplo/intel. Header: 11166 40122 18967 02037 03649	FSK 200/1000	(AB-KOR/Danix-J)
<b>F06</b>	13503	7-9	0610	Thu	Russian diplo/intel. Header: 11166 40122 18967 02037 03649	FSK 200/1000	(AB-KOR/Danix-J)
<b>F06</b>	11109	7-9	0620	Thu	Russian diplo/intel. Header: 11166 40122 18967 02037 03649	FSK 200/1000	(AB-KOR/Danix-J)
<b>F06</b>	15709	7-9	1330	Thu	Russian diplo/intel. 11166 80214 09815 07044 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	13541	7-9	1340	Thu	Russian diplo/intel. 11166 80214 09815 07044 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	10529	7-9	1350	Thu	Russian diplo/intel. 11166 80214 09815 07044 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	13384	9-9	0800	Sat	Russian diplo/intel. Header: 11166 70147 17582 08065 00689	FSK 200/1000	(AB/Danix)
<b>F06</b>	11463	9-9	0810	Sat	Russian diplo/intel. Header: 11166 70147 17582 08065 00689	FSK 200/1000	(AB/Danix)
<b>F06</b>	9328	9-9	0820	Sat	Russian diplo/intel. Header: 11166 70147 17582 08065 00689	FSK 200/1000	(AB/Danix)
<b>F06</b>	16341	9-9	0900	Sat	Russian diplo/intel. Header: 11166 70004 61735 08098 00589	FSK 200/1000	(AB/Danix)
<b>F06</b>	14706	9-9	0910	Sat	Russian diplo/intel. Header: 11166 70004 61735 08098 00589	FSK 200/1000	(AB/Danix)
<b>F06</b>	12217	9-9	0920	Sat	Russian diplo/intel. Header: 11166 70004 61735 08098 00589	FSK 200/1000	(AB/Danix)
<b>F06</b>	16174	9-9	1100	Sat	Russian diplo/intel. Header: 11166 50046 24953 08008 00469	FSK 200/1000	(AB/Danix)
<b>F06</b>	14855	9-9	1110	Sat	Russian diplo/intel. Header: 11166 50046 24953 08008 00469	FSK 200/1000	(AB/Danix)
<b>F06</b>	12214	9-9	1120	Sat	Russian diplo/intel. Header: 11166 50046 24953 08008 00469	FSK 200/1000	(AB/Danix)
<b>F06</b>	15928	9-9	2100	Sat	Russian diplo/intel. 11166 40133 24680 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	13396	9-9	2110	Sat	Russian diplo/intel. 11166 40133 24680 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	11143	9-9	2120	Sat	Russian diplo/intel. 11166 40133 24680 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	13384	10-9	0800	Sun	Russian diplo/intel. Header: 11166 70147 17582 08065 00689	FSK 200/1000	(AB/Danix)
<b>F06</b>	11463	10-9	0810	Sun	Russian diplo/intel. Header: 11166 70147 17582 08065	FSK 200/1000	(AB/Danix)



					00689		
F06	9328	10-9	0820	Sun	Russian diplo/intel. Header: 11166 70147 17582 08065 00689	FSK 200/1000	(AB/Danix)
F06	16341	10-9	0900	Sun	Russian diplo/intel. Header: 11166 70004 61735 08098 00589	FSK 200/1000	(AB/Danix)
F06	14706	10-9	0910	Sun	Russian diplo/intel. Header: 11166 70004 61735 08098 00589	FSK 200/1000	(AB/Danix)
F06	12217	10-9	0920	Sun	Russian diplo/intel. Header: 11166 70004 61735 08098 00589	FSK 200/1000	(AB/Danix)
F06	16174	10-9	1100	Sun	Russian diplo/intel. Header: 11166 50046 24953 08008 00469	FSK 200/1000	(AB/Danix)
F06	14855	10-9	1110	Sun	Russian diplo/intel. Header: 11166 50046 24953 08008 00469	FSK 200/1000	(AB/Danix)
F06	12214	10-9	1120	Sun	Russian diplo/intel. Header: 11166 50046 24953 08008 00469	FSK 200/1000	(AB/Danix)
F06	14455	10-9	1520	Sun	Russian diplo/intel. Test: 4646464646 4646464646	FSK 200/1000	(AB)
F06	14455	10-9	1530	Sun	Russian diplo/intel. 11166 10053 14875 10062 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12065	10-9	1540	Sun	Russian diplo/intel. 11166 10053 14875 10062 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10426	10-9	1550	Sun	Russian diplo/intel. 11166 10053 14875 10062 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16321	11-9	0200	Mon	Russian diplo/intel. Header: 11166 60146 00000 11165 02459	FSK 200/1000	(Danix-J)
F06	14881	11-9	0300	Mon	Russian diplo/intel. Header: 11166 60146 00000 11165 02459	FSK 200/1000	(Danix-J)
F06	14973	12-9	1500	Tue	Russian diplo/intel. 11166 00052 73698 12045 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	13589	12-9	1510	Tue	Russian diplo/intel. 11166 00052 73698 12045 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	11643	12-9	1520	Tue	Russian diplo/intel. 11166 00052 73698 12045 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	15930	13-9	0600	Wed	Russian diplo/intel. Headers: 11166 40122 45698 09038 03029 and 11166 40122 12365 09039 02969	FSK 200/1000	(Danix-KOR)
F06	13503	13-9	0610	Wed	Russian diplo/intel. Headers: 11166 40122 45698 09038 03029 and 11166 40122 12365 09039 02969	FSK 200/1000	(Danix-KOR)
F06	11109	13-9	0620	Wed	Russian diplo/intel. Headers: 11166 40122 45698 09038 03029 and 11166 40122 12365 09039 02969	FSK 200/1000	(Danix-KOR)
F06	16023	13-9	0800	Wed	Russian diplo/intel. 11166 70048 54879 13051 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	18178	13-9	0800	Wed	Russian diplo/intel. Headers: 11166 00052 37495 08019 02069 and 11166 00052 86451 08020 02129	FSK 200/1000	(AB/Danix)
F06	12158	13-9	0810	Wed	Russian diplo/intel. 11166 70048 54879 13051 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	14378	13-9	0810	Wed	Russian diplo/intel. 11166 70048 54879 13051 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	15613	13-9	0810	Wed	Russian diplo/intel. Headers: 11166 00052 37495 08019 02069 and 11166 00052 86451 08020 02129	FSK 200/1000	(AB/Danix)
F06	13459	13-9	0820	Wed	Russian diplo/intel. Headers: 11166 00052 37495 08019 02069 and 11166 00052 86451 08020 02129	FSK 200/1000	(AB/Danix)
F06	16146	13-9	0915	Wed	Russian diplo/intel. Null message	FSK 200/1000	(Danix)
F06	13385	13-9	0925	Wed	Russian diplo/intel. Null message	FSK 200/1000	(Danix)
F06	11434	13-9	0935	Wed	Russian diplo/intel. Null message	FSK 200/1000	(Danix)
F06	15930	14-9	0600	Thu	Russian diplo/intel. Headers: 11166 40122 45698 09038 03029 and 11166 40122 12365 09039 02969	FSK 200/1000	(Danix-KOR)
F06	13503	14-9	0610	Thu	Russian diplo/intel. Headers: 11166 40122 45698 09038 03029 and 11166 40122 12365 09039 02969	FSK 200/1000	(Danix-KOR)
F06	11109	14-9	0620	Thu	Russian diplo/intel. Headers: 11166 40122 45698 09038 03029 and 11166 40122 12365 09039 02969	FSK 200/1000	(Danix-KOR)
F06	18178	14-9	0800	Thu	Russian diplo/intel. Headers: 11166 00052 37495 08019 02069 and 11166 00052 86451 08020 02129	FSK 200/1000	(Danix)
F06	15613	14-9	0810	Thu	Russian diplo/intel. Headers: 11166 00052 37495 08019 02069 and 11166 00052 86451 08020 02129	FSK 200/1000	(Danix)
F06	13459	14-9	0820	Thu	Russian diplo/intel. Headers: 11166 00052 37495 08019 02069 and 11166 00052 86451 08020 02129	FSK 200/1000	(Danix)
F06	15709	14-9	1330	Thu	Russian diplo/intel. 11166 80214 15796 14053 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)

<b>F06</b>	13541	14-9	1340	Thu	Russian diplo/intel. 11166 80214 15796 14053 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	10529	14-9	1350	Thu	Russian diplo/intel. 11166 80214 15796 14053 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	12167	15-9	1230	Fri	Russian diplo/intel. Header: 11100 00000 91520 15085 03023	FSK 200/1000	(Danix)
<b>F06</b>	11123	15-9	1240	Fri	Russian diplo/intel. Header: 11100 00000 91520 15085 03023	FSK 200/1000	(Danix)
<b>F06</b>	10576	15-9	1250	Fri	Russian diplo/intel. Header: 11100 00000 91520 15085 03023	FSK 200/1000	(Danix)
<b>F06</b>	16246	15-9	1500	Fri	Russian diplo/intel. Header: 11166 30011 62389 15001 00329	FSK 200/1000	(Danix)
<b>F06</b>	14523	15-9	1510	Fri	Russian diplo/intel. Header: 11166 30011 62389 15001 00329	FSK 200/1000	(Danix)
<b>F06</b>	10951	15-9	1520	Fri	Russian diplo/intel. Header: 11166 30011 62389 15001 00329	FSK 200/1000	(Danix)
<b>F06</b>	15928	16-9	2100	Sat	Russian diplo/intel. Header: 11166 40133 94381 12034 01309	FSK 200/1000	(AB- RUS/Danix -RUS)
<b>F06</b>	13396	16-9	2110	Sat	Russian diplo/intel. Header: 11166 40133 94381 12034 01309	FSK 200/1000	(AB- RUS/Danix -RUS)
<b>F06</b>	11143	16-9	2120	Sat	Russian diplo/intel. Header: 11166 40133 94381 12034 01309	FSK 200/1000	(AB- RUS/Danix -RUS)
<b>F06</b>	14455	17-9	1530	Sun	Russian diplo/intel. 11166 10053 13579 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	12065	17-9	1540	Sun	Russian diplo/intel. 11166 10053 13579 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	10426	17-9	1550	Sun	Russian diplo/intel. 11166 10053 13579 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	15928	17-9	2100	Sun	Russian diplo/intel. Header: 11166 40133 94381 12034 01309	FSK 200/1000	(AB- RUS/Danix -RUS)
<b>F06</b>	13396	17-9	2110	Sun	Russian diplo/intel. Header: 11166 40133 94381 12034 01309	FSK 200/1000	(AB- RUS/Danix -RUS)
<b>F06</b>	11143	17-9	2120	Sun	Russian diplo/intel. Header: 11166 40133 94381 12034 01309	FSK 200/1000	(AB- RUS/Danix -RUS)
<b>F06</b>	16321	18-9	0200	Mon	Russian diplo/intel. Header: 11166 60146 00000 18170 02459	FSK 200/1000	(Danix- USA)
<b>F06</b>	14881	18-9	0300	Mon	Russian diplo/intel. Header: 11166 60146 00000 18170 02459	FSK 200/1000	(Danix- USA)
<b>F06</b>	9437	18-9	0400	Mon	Russian diplo/intel. 11166 70059 13579 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	7923	18-9	0410	Mon	Russian diplo/intel. 11166 70059 13579 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	6776	18-9	0420	Mon	Russian diplo/intel. 11166 70059 13579 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	14973	19-9	1500	Tue	Russian diplo/intel. 11166 00052 01234 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	13589	19-9	1510	Tue	Russian diplo/intel. 11166 00052 01234 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	11643	19-9	1520	Tue	Russian diplo/intel. 11166 00052 01234 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	14828	19-9	1650	Tue	Russian diplo/intel. 11166 10053 35791 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	12214	19-9	1700	Tue	Russian diplo/intel. 11166 10053 35791 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	10534	19-9	1710	Tue	Russian diplo/intel. 11166 10053 35791 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	15930	20-9	0600	Wed	Russian diplo/intel. 11166 40122 24376 20069 00049 00000 00000 00000 00000	FSK 200/1000	(AB- J/Danix-J)
<b>F06</b>	13503	20-9	0610	Wed	Russian diplo/intel. 11166 40122 24376 20069 00049 00000 00000 00000 00000	FSK 200/1000	(AB- J/Danix-J)
<b>F06</b>	11109	20-9	0620	Wed	Russian diplo/intel. 11166 40122 24376 20069 00049	FSK 200/1000	(AB-

					00000 00000 00000 00000		J/Danix-J)
F06	16023	20-9	0800	Wed	Russian diplo/intel. 11166 70048 92781 20046 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	14378	20-9	0810	Wed	Russian diplo/intel. 11166 70048 92781 20046 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	12158	20-9	0820	Wed	Russian diplo/intel. 11166 70048 92781 20046 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	18517	20-9	1220	Wed	Russian diplo/intel. Test: 464646464646 464646464646 464646464646	FSK 200/1000	(AB)
F06	18517	20-9	1230	Wed	Russian diplo/intel. 11166 90073 13579 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	16309	20-9	1240	Wed	Russian diplo/intel. 11166 90073 13579 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	14464	20-9	1250	Wed	Russian diplo/intel. 11166 90073 13579 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	15709	21-9	1330	Thu	Russian diplo/intel. 11166 80214 12378 21003 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	13541	21-9	1340	Thu	Russian diplo/intel. 11166 80214 12378 21003 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	10529	21-9	1350	Thu	Russian diplo/intel. 11166 80214 12378 21003 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	13384	23-9	0800	Sat	Russian diplo/intel. Header: 11166 70147 92451 22066 00909	FSK 200/1000	(AB/Danix)
F06	11463	23-9	0810	Sat	Russian diplo/intel. Header: 11166 70147 92451 22066 00909	FSK 200/1000	(AB/Danix)
F06	9328	23-9	0820	Sat	Russian diplo/intel. Header: 11166 70147 92451 22066 00909	FSK 200/1000	(AB/Danix)
F06	16341	23-9	0900	Sat	Russian diplo/intel. Header: 11166 70004 61735 08098 00589	FSK 200/1000	(AB/Danix)
F06	14706	23-9	0910	Sat	Russian diplo/intel. Header: 11166 70004 61735 08098 00589	FSK 200/1000	(AB/Danix)
F06	12217	23-9	0920	Sat	Russian diplo/intel. Header: 11166 70004 61735 08098 00589	FSK 200/1000	(AB/Danix)
F06	16174	23-9	1100	Sat	Russian diplo/intel. Header: 11166 50046 27156 22009 01789	FSK 200/1000	(AB/Danix)
F06	14855	23-9	1110	Sat	Russian diplo/intel. Header: 11166 50046 27156 22009 01789	FSK 200/1000	(AB/Danix)
F06	12214	23-9	1120	Sat	Russian diplo/intel. Header: 11166 50046 27156 22009 01789	FSK 200/1000	(AB/Danix)
F06	15928	23-9	2100	Sat	Russian diplo/intel. 11166 40133 35791 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB- RUS/Danix -RUS)
F06	13396	23-9	2110	Sat	Russian diplo/intel. 11166 40133 35791 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB- RUS/Danix -RUS)
F06	11143	23-9	2120	Sat	Russian diplo/intel. 11166 40133 35791 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB- RUS/Danix -RUS)
F06	13384	24-9	0800	Sun	Russian diplo/intel. Header: 11166 70147 92451 22066 00909	FSK 200/1000	(AB/Danix)
F06	11463	24-9	0810	Sun	Russian diplo/intel. Header: 11166 70147 92451 22066 00909	FSK 200/1000	(AB/Danix)
F06	9328	24-9	0820	Sun	Russian diplo/intel. Header: 11166 70147 92451 22066 00909	FSK 200/1000	(AB/Danix)
F06	16341	24-9	0900	Sun	Russian diplo/intel. Header: 11166 70004 61735 08098 00589	FSK 200/1000	(AB)
F06	14706	24-9	0910	Sun	Russian diplo/intel. Header: 11166 70004 61735 08098 00589	FSK 200/1000	(AB)
F06	12217	24-9	0920	Sun	Russian diplo/intel. Header: 11166 70004 61735 08098 00589	FSK 200/1000	(AB)
F06	16174	24-9	1100	Sun	Russian diplo/intel. Header: 11166 50046 27156 22009 01789	FSK 200/1000	(AB)
F06	14855	24-9	1110	Sun	Russian diplo/intel. Header: 11166 50046 27156 22009 01789	FSK 200/1000	(AB/MPJ)
F06	12214	24-9	1120	Sun	Russian diplo/intel. Header: 11166 50046 27156 22009 01789	FSK 200/1000	(AB/MPJ)
F06	14455	24-9	1530	Sun	Russian diplo/intel. 11166 10053 13579 24001 00049	FSK 200/1000	(AB/MPJ)

					00000 00000 00000 00000			
F06	12065	24-9	1540	Sun	Russian diplo/intel. 11166 10053 13579 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)	
F06	10426	24-9	1550	Sun	Russian diplo/intel. 11166 10053 13579 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)	
F06	14973	26-9	1500	Tue	Russian diplo/intel. 11166 00052 36189 26037 00049 00000 00000 00000 00000	FSK 200/1000	(AB-G/Danix)	
F06	13589	26-9	1510	Tue	Russian diplo/intel. 11166 00052 36189 26037 00049 00000 00000 00000 0000	FSK 200/1000	(AB-G/Danix)	
F06	11643	26-9	1520	Tue	Russian diplo/intel. 11166 00052 36189 26037 00049 00000 00000 00000 0000	FSK 200/1000	(AB/Danix)	
F06	14828	26-9	1650	Tue	Russian diplo/intel. 11166 10053 32147 26066 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MPJ)	
F06	12214	26-9	1700	Tue	Russian diplo/intel. 11166 10053 32147 26066 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MPJ)	
F06	10534	26-9	1710	Tue	Russian diplo/intel. 11166 10053 32147 26066 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MPJ)	
F06	15930	27-9	0600	Wed	Russian diplo/intel. Header: 11166 40122 98521 23040 03179	FSK 200/1000	(AB-J)	
F06	13503	27-9	0610	Wed	Russian diplo/intel. Header: 11166 40122 98521 23040 03179	FSK 200/1000	(AB-J)	
F06	11109	27-9	0620	Wed	Russian diplo/intel. Header: 11166 40122 98521 23040 03179	FSK 200/1000	(AB-J)	
F06	16023	27-9	0750	Wed	Russian diplo/intel. Test: 464646464646 464646464646 464646464646	FSK 200/1000	(AB)	
F06	16023	27-9	0800	Wed	Russian diplo/intel. 11166 70048 12345 27077 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)	
F06	18178	27-9	0800	Wed	Russian diplo/intel. 2 messages. Headers: 11166 00052 37495 08019 02069 and 11166 00052 86451 08020 02129	FSK 200/1000	(AB-RUS)	
F06	14378	27-9	0810	Wed	Russian diplo/intel. 11166 70048 12345 27077 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)	
F06	15613	27-9	0810	Wed	Russian diplo/intel. 2 messages. Headers: 11166 00052 37495 08019 02069 and 11166 00052 86451 08020 02129	FSK 200/1000	(AB)	
F06	12158	27-9	0820	Wed	Russian diplo/intel. 11166 70048 12345 27077 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)	
F06	13459	27-9	0820	Wed	Russian diplo/intel. 2 messages. Headers: 11166 00052 37495 08019 02069 and 11166 00052 86451 08020 02129	FSK 200/1000	(AB)	
F06	16146	27-9	0915	Wed	Russian diplo/intel. 11166 10031 92635 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MPJ)	
F06	13385	27-9	0925	Wed	Russian diplo/intel. 11166 10031 92635 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MPJ)	
F06	11434	27-9	0935	Wed	Russian diplo/intel. 11166 10031 92635 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MPJ)	
F06	15930	28-9	0600	Thu	Russian diplo/intel. Header: 11166 40122 98521 23040 03179	FSK 200/1000	(AB-J/Danix-J)	
F06	13503	28-9	0610	Thu	Russian diplo/intel. Header: 11166 40122 98521 23040 03179	FSK 200/1000	(AB-J/Danix-J)	
F06	11109	28-9	0620	Thu	Russian diplo/intel. Header: 11166 40122 98521 23040 03179	FSK 200/1000	(AB-J/Danix-J)	
F06	18178	28-9	0800	Thu	Russian diplo/intel. 2 messages. Headers: 11166 00052 37495 08019 02069 and 11166 00052 86451 08020 02129	FSK 200/1000	(AB-RUS/Danix)	
F06	15613	28-9	0810	Thu	Russian diplo/intel. 2 messages. Headers: 11166 00052 37495 08019 02069 and 11166 00052 86451 08020 02129	FSK 200/1000	(AB/Danix)	
F06	13459	28-9	0820	Thu	Russian diplo/intel. 2 messages. Headers: 11166 00052 37495 08019 02069 and 11166 00052 86451 08020 02129	FSK 200/1000	(AB/Danix)	
F06	15709	28-9	1330	Thu	Russian diplo/intel. 11166 80214 95182 28063 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)	
F06	13541	28-9	1340	Thu	Russian diplo/intel. 11166 80214 95182 28063 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)	
F06	10529	28-9	1350	Thu	Russian diplo/intel. 11166 80214 95182 28063 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)	
F06	16174	30-9	1100	Sat	Russian diplo/intel. Header: 11166 50046 13859 29010 00729	FSK 200/1000	(AB/Danix)	
F06	14855	30-9	1110	Sat	Russian diplo/intel. Header: 11166 50046 13859 29010 00729	FSK 200/1000	(AB/Danix)	
F06	12214	30-9	1120	Sat	Russian diplo/intel. Header: 11166 50046 13859 29010 00729	FSK 200/1000	(AB/Danix)	

<b>F06</b>	15928	30-9	2100	Sat	Russian diplo/intel. 11166 40133 13579 30035 00049 00000 00000 00000 00000	FSK 200/1000	(AB- RUS/Danix -RUS)
<b>F06</b>	13396	30-9	2110	Sat	Russian diplo/intel. 11166 40133 13579 30035 00049 00000 00000 00000 00000	FSK 200/1000	(AB- RUS/Danix -RUS)
<b>F06</b>	11143	30-9	2120	Sat	Russian diplo/intel. 11166 40133 13579 30035 00049 00000 00000 00000 00000	FSK 200/1000	(AB- RUS/Danix -RUS)
<b>F11</b>	7371	1-9	0900	Fri	0554 00000	FSK 100/620	(AB)
<b>F11</b>	7371	1-9	0905	Fri	0554 00000	FSK 100/620	(AB)
<b>F11</b>	7371	4-9	0515	Mon	0446 00000	FSK 100/620	(AB)
<b>F11</b>	7371	4-9	0520	Mon	0446 00000	FSK 100/620	(AB)
<b>F11</b>	6906	4-9	0800	Mon	0434 00000	FSK 100/620	(AB)
<b>F11</b>	6906	4-9	0805	Mon	0434 00000	FSK 100/620	(AB)
<b>F11</b>	9339	4-9	0845	Mon	0353 00000	FSK 100/620	(AB)
<b>F11</b>	9339	4-9	0850	Mon	0353 00000	FSK 100/620	(AB)
<b>F11</b>	7371	5-9	0900	Tue	0554 00000	FSK 100/620	(AB)
<b>F11</b>	7371	5-9	0905	Tue	0554 00000	FSK 100/620	(AB)
<b>F11</b>	7670	5-9	1150	Tue	0325 44174 10032 09351 ... 52751 87498 64944 00041 00041 Note: No 88888 88888 intro and outro	FSK 100/620	(AB)
<b>F11</b>	7670	5-9	1155	Tue	0325 44174 10032 09351 ... 52751 87498 64944 00041 00041 Note: No 88888 88888 intro and outro	FSK 100/620	(AB)
<b>F11</b>	7371	7-9	0515	Thu	0446 00000	FSK 100/620	(AB)
<b>F11</b>	7371	7-9	0520	Thu	0446 00000	FSK 100/620	(AB)
<b>F11</b>	6906	7-9	0800	Thu	0434 00000	FSK 100/620	(AB)
<b>F11</b>	6906	7-9	0805	Thu	0434 00000	FSK 100/620	(AB)
<b>F11</b>	7371	8-9	0900	Fri	0554 00000	FSK 100/620	(AB)
<b>F11</b>	7371	8-9	0905	Fri	0554 00000	FSK 100/620	(AB)
<b>F11</b>	7371	11-9	0515	Mon	0446 00000	FSK 100/620	(AB)
<b>F11</b>	7371	11-9	0520	Mon	0446 00000	FSK 100/620	(AB)
<b>F11</b>	6906	11-9	0800	Mon	0434 00000	FSK 100/620	(AB)
<b>F11</b>	6906	11-9	0805	Mon	0434 00000	FSK 100/620	(AB)
<b>F11</b>	9339	11-9	0845	Mon	0353 00000	FSK 100/620	(AB)
<b>F11</b>	9339	11-9	0850	Mon	0353 00000	FSK 100/620	(AB)
<b>F11</b>	7371	18-9	0515	Mon	0446 00000	FSK 100/620	(AB)
<b>F11</b>	7371	18-9	0520	Mon	0446 00000	FSK 100/620	(AB)
<b>F11</b>	6906	18-9	0800	Mon	0434 00000	FSK 100/620	(AB)
<b>F11</b>	6906	18-9	0805	Mon	0434 00000	FSK 100/620	(AB)
<b>F11</b>	9339	18-9	0845	Mon	0353 00000	FSK 100/620	(AB)
<b>F11</b>	9339	18-9	0850	Mon	0353 00000	FSK 100/620	(AB)
<b>F11</b>	7371	19-9	0900	Tue	0554 00000	FSK 100/620	(AB)
<b>F11</b>	7371	19-9	0905	Tue	0554 00000	FSK 100/620	(AB)
<b>F11</b>	7670	19-9	1150	Tue	0325 00000	FSK 100/620	(AB)
<b>F11</b>	7670	19-9	1155	Tue	0325 00000	FSK 100/620	(AB)
<b>F11</b>	9339	20-9	0845	Wed	0353 00000	FSK 100/620	(AB)
<b>F11</b>	9339	20-9	0850	Wed	0353 00000	FSK 100/620	(AB)
<b>F11</b>	7670	20-9	1150	Wed	0325 00000	FSK 100/620	(AB)
<b>F11</b>	7670	20-9	1155	Wed	0325 00000	FSK 100/620	(AB)
<b>F11</b>	7371	21-9	0515	Thu	0446 00000	FSK 100/620	(AB)
<b>F11</b>	7371	21-9	0520	Thu	0446 00000	FSK 100/620	(AB)
<b>F11</b>	6906	21-9	0800	Thu	0434 00000	FSK 100/620	(AB)
<b>F11</b>	6906	21-9	0805	Thu	0434 00000	FSK 100/620	(AB)
<b>F11</b>	7371	22-9	0900	Fri	0554 00000	FSK 100/620	(AB)
<b>F11</b>	7371	22-9	0905	Fri	0554 00000	FSK 100/620	(AB)
<b>F11</b>	7371	25-9	0515	Mon	0446 88888 88888 90811 41757 95505 ... 72972 52249 80881 88888 88888 00040 00040	FSK 100/620	(AB)
<b>F11</b>	7371	25-9	0520	Mon	0446 88888 88888 90811 41757 95505 ... 72972 52249 80881 88888 88888 00040 00040	FSK 100/620	(AB)
<b>F11</b>	6906	25-9	0800	Mon	0434 88888 88888 69601 34746 42826 ... 26472 06810 28317 88888 88888 00044 00044	FSK 100/620	(AB)
<b>F11</b>	6906	25-9	0805	Mon	0434 88888 88888 69601 34746 42826 ... 26472 06810 28317 88888 88888 00044 00044	FSK 100/620	(AB)
<b>F11</b>	9339	25-9	0845	Mon	0353 04903 47291 26470 ... 86808 63287 25709 00060 00060. Unusual long message. No 88888 sequence before and after the message	FSK 100/620	(AB)
<b>F11</b>	9339	25-9	0850	Mon	0353 04903 47291 26470 ... 86808 63287 25709 00060	FSK 100/620	(AB)



					00060. Unusual long message. No 88888 sequence before and after the message		
F11	7371	26-9	0900	Tue	0554 88888 88888 02693 14559 32489 ... 92165 01696 20720 88888 88888 00039 00039	FSK 100/620	(AB)
F11	7371	26-9	0905	Tue	0554 88888 88888 02693 14559 32489 ... 92165 01696 20720 88888 88888 00039 00039	FSK 100/620	(AB)
F11	7670	26-9	1150	Tue	0325 00000	FSK 100/620	(AB)
F11	7670	26-9	1155	Tue	0325 00000	FSK 100/620	(AB)
F11	9339	27-9	0845	Wed	0353 04903 47291 26470 ... 86808 63287 25709 00060 00060. Unusual long message. No 88888 sequence before and after the message	FSK 100/620	(AB)
F11	9339	27-9	0850	Wed	0353 04903 47291 26470 ... 86808 63287 25709 00060 00060. Unusual long message. No 88888 sequence before and after the message	FSK 100/620	(AB)
F11	7670	27-9	1150	Wed	0325 00000	FSK 100/620	(AB)
F11	7670	27-9	1155	Wed	0325 00000	FSK 100/620	(AB)
F11	7371	28-9	0515	Thu	0446 88888 88888 90811 41757 95505 ... 72972 52249 80881 88888 88888 00040 00040	FSK 100/620	(AB)
F11	7371	28-9	0520	Thu	0446 88888 88888 90811 41757 95505 ... 72972 52249 80881 88888 88888 00040 00040	FSK 100/620	(AB)
F11	6906	28-9	0800	Thu	0434 88888 88888 69601 34746 42826 ... 26472 06810 28317 88888 88888 00044 00044	FSK 100/620	(AB)
F11	6906	28-9	0805	Thu	0434 88888 88888 69601 34746 42826 ... 26472 06810 28317 88888 88888 00044 00044	FSK 100/620	(AB)
F11	7371	29-9	0900	Fri	0554 88888 88888 02693 14559 32489 ... 92165 01696 20720 88888 88888 00039 00039	FSK 100/620	(AB)
F11	7371	29-9	0905	Fri	0554 88888 88888 02693 14559 32489 ... 92165 01696 20720 88888 88888 00039 00039	FSK 100/620	(AB)
G06	6810	4-9	0800	Mon	329 329 329 00000	USB	(AB)
G06	4613	4-9	1700	Mon	563 878 76 58589	USB	(HFD)
G06	5460	4-9	1800	Mon	563 878 76 58589 72030 39285 ... 56568 22675 74585 878 76 00000 Windows shut down sound	USB	(AB)
G06	5460	4-9	1800	Mon	563 cd w/ WinXP shut- down sound	USB	(HFD)
G06	4599	7-9	1300	Thu	329 329 329 00000	USB	(AB-RUS)
G06	4613	11-9	1659	Mon	563 878 878 76 76 58589 72030 39285 ... 56568 20475 74585 878 878 76 76 00000	USB	(AB)
G06	5460	11-9	1759	Mon	563 878 878 76 76 58589 72030 39285 ... 56568 20475 74585 878 878 76 76 00000	USB	(AB/BvR)
G06	5928	14-9	1830	Thu	579 149 52 12265 Windows XP shut- down nd	USB	(HFD)
G06	5928	14-9	1830	Thu	563 878 878 76 76 58589 72030 39285 ... 56568 20475 74585 878 878 76 76 00000. Windows shutdown sound	USB	(AB)
G06	5442	15-9	1930	Fri	947 149 52 12265	USB	(HFD)
G06	9554	15-9	1930	Fri	947 149 52 12265 10965 47839 ... 53234 05124 95732 149 52 00000. Windows shut down sound	USB	(AB)
G06	6815	18-9	0800	Mon	329 329 329 00000	USB	(AB)
G06	4598	21-9	1300	Thu	329 329 329 00000. Windows shut down sound	USB	(AB-UKR)
G06	4598	21-9	1300	Thu	329 0	USB	(HFD)
G06	10755	28-9	0853	Thu	975 975 975 00000	USB	(AnEur)
G06	5934	28-9	1830	Thu	579 241 125 06046 35697 17891 ... 42927 85605 75302 241 125 00000	USB	(AB/MPJ)
G06	5442	29-9	1930	Fri	947 149 52 12265 10965 47839 ... 53234 05124 95732 149 52 00000 Windows shut down sound	USB	(AB/MPJ)
HM01	11435	1-9	1604	Fri	i.p. 26865 60389 81507 23566 14302 46165	AM/RDFT	(RR2)
HM01	11635	1-9	1758	Fri	V02 then SK01 via KiwiSDR Kansas	AM/RDFT	(HFD-USA)
HM01	11635	1-9	1830	Fri	26865 60389 81507 23566 14302 46165	AM/RDFT	(DSch)
HM01	11435	2-9	1600	Sat	26866 08181 86811 23507 14303 46166	AM/RDFT	(DSch)
HM01	11435	2-9	1629	Sat	26866 08181 86811 23567 14303 46166	AM/RDFT	(RR2)
HM01	16180	2-9	2057	Sat	26866 08181 86811 23567 14303 46166	AM/RDFT	(RL)
HM01	17480	2-9	2157	Sat	26866 08181 86811 23567 14303 46166	AM/RDFT	(RL)
HM01	11435	3-9	1558	Sun	26867 08181 86811 23568 14304 46167	AM/RDFT	(RR2)
HM01	11435	4-9	1628	Mon	26868 08182 86812 56371 14305 46168	AM/RDFT	(RR2)
HM01	11530	4-9	1657	Mon	V02 msgs via KiwiSDR Idaho	AM/RDFT	(HFD-USA)
HM01	11635	4-9	1757	Mon	V02 msgs via KiwiSDR Kansas	AM/RDFT	(HFD-USA)
HM01	11435	5-9	1559	Tue	HM01 after Radio Habana Cuba: 36351 08183 86813 56371 14306 46169	AM/RDFT	(RR2)
HM01	16180	5-9	2057	Tue	36351 08183 86813 56371 14306 46169	AM/RDFT	(RL)
HM01	17480	5-9	2157	Tue	36351 08183 86813 56371 14306 46169	AM/RDFT	(RL)

HM01	9240	6-9	0858	Wed	36351 08183 86813 56371 14306 46169	AM/RDFT	(AB)
HM01	11435	6-9	1559	Wed	36352 08184 86814 56372 14307 28261	AM/RDFT	(RR2)
HM01	11635	6-9	1807	Wed	36352 08184 86814 56372 14307 28261	AM/RDFT	(DSch)
HM01	10715	6-9	2157	Wed	36352 08184 86814 56372 14307 28261	AM/RDFT	(RL)
HM01	11435	7-9	1558	Thu	36353 08185 86815 56373 14308 28261	AM/RDFT	(RR2)
HM01	11435	7-9	1605	Thu	36353 08185 86815 56373 14308 28261	AM/RDFT	(RR2)
HM01	11435	8-9	1600	Fri	36354 08186 86816 56374 87741 28262	AM/RDFT	(RR2)
HM01	11530	8-9	1731	Fri	i.p. 36354 08186 86816 56374 87741 28262	AM/RDFT	(DSch)
HM01	11435	9-9	1601	Sat	36355 08187 86817 56375 87741 28263	AM/RDFT	(RR2)
HM01	11435	9-9	1605	Sat	i.p. 36355 08187 86817 56375 87741 28263	AM/RDFT	(DSch)
HM01	11635	10-9	2103	Sun	36356 74261 86818 56376 87742 28264	AM/RDFT	(DSch/RR2)
HM01	11635	11-9	2100	Mon	36357 74231 65651 56377 87743 28265	AM/RDFT	(RR2)
HM01	11635	11-9	2136	Mon	36357 74231 65651 56377 87743 28265	AM/RDFT	(DSch)
HM01	11435	12-9	1628	Tue	i.p. 06871 74232 65651 56378 87744 28266	AM/RDFT	(RR2)
HM01	11635	12-9	1815	Tue	06871 74232 65651 56378 87744 28266	AM/RDFT	(DSch)
HM01	11435	13-9	1600	Wed	06871 74233 65652 56379 87745 28267	AM/RDFT	(RR2)
HM01	11530	13-9	1713	Wed	06871 74233 65652 56379 87745 28268	AM/RDFT	(DSch)
HM01	11435	14-9	1600	Thu	06872 74234 65653 85541 87766 28268	AM/RDFT	(DSch)
HM01	11435	14-9	1628	Thu	06872 74234 65653 85541 87746 28268	AM/RDFT	(RR2)
HM01	11435	15-9	1628	Fri	i.p. 06873 74235 65654 85541 87747 28269	AM/RDFT	(RR2)
HM01	11435	16-9	1600	Sat	06873 74235 65654 85541 87747 28269 (repeating the groups from 15-09)	AM/RDFT	(RR2)
HM01	11530	17-9	1713	Sun	06873 74235 65654 85541 87747 28269 (repeating the groups from 15-09)	AM/RDFT	(DSch)
HM01	11635	17-9	1801	Sun	06873 74235 65654 85541 87747 28269 (repeating the groups from 15-09)	AM/RDFT	(RR2)
HM01	11635	18-9	2106	Mon	i.p. 06873 74235 65654 85541 87747 28269 (repeats groups of 15-09)	AM/RDFT	(RR2)
HM01	10715	18-9	2206	Mon	On/off frequently	AM/RDFT	(DSch)
HM01	11435	19-9	1559	Tue	06874 74236 65655 85542 87748 45331	AM/RDFT	(RR2)
HM01	11435	19-9	1602	Tue	06874 74236 65655 85542 87748 45331	AM/RDFT	(DSch)
HM01	11635	20-9	1759	Wed	06875 74237 65656 85543 08781 45331	AM/RDFT	(DSch)
HM01	11635	21-9	1759	Thu	06876 17381 65657 85544 08781 45332	AM/RDFT	(DSch)
HM01	9330	22-9	0657	Fri	06876 17381 65657 85544 08781 45332	AM/RDFT	(BvR)
HM01	9065	22-9	0800	Fri	06876 17381 65657 85544 08781 45332	AM/RDFT	(BvR)
HM01	11435	22-9	1600	Fri	06877 17381 65658 85545 08782 45333	AM/RDFT	(RR2)
HM01	11435	22-9	1629	Fri	06877 17381 65658 85545 08782 45333	AM/RDFT	(RR2)
HM01	11435	23-9	1558	Sat	06878 17382 65659 85546 08783 45334	AM/RDFT	(RR2)
HM01	9330	24-9	0657	Sun	06878 17382 65659 85546 08783 45334	AM/RDFT	(AB)
HM01	9065	24-9	0758	Sun	06878 17382 65659 85546 08783 45334	AM/RDFT	(AB)
HM01	11435	24-9	1600	Sun	34741 17383 86121 85547 08784 45335	AM/RDFT	(RR2)
HM01	10715	24-9	2200	Sun	34741 17383 86121 85547 08784 45335	AM/RDFT	(Dan)
HM01	11435	25-9	1600	Mon	34741 17384 86121 73351 08785 45336	AM/RDFT	(DSch)
HM01	11635	26-9	0758	Tue	34741 17384 86121 73351 08785 45336	AM/RDFT	(AB)
HM01	11435	26-9	1558	Tue	34741 17384 86121 73351 08785 45336	AM/RDFT	(DSch/RR2)
HM01	11530	26-9	1655	Tue	34742 17385 86122 73351 08786 45337	AM/RDFT	(AB-USA/RR2)
HM01	9065	27-9	0755	Wed	34742 17385 86122 73351 08786 45337	AM/RDFT	(AB)
HM01	11435	27-9	1631	Wed	34743 17386 86123 7352 08787 45338	AM/RDFT	(DSch)
HM01	11530	27-9	1658	Wed	34743 17386 86123 73352 08787 45338	AM/RDFT	(RR2)
HM01	11435	28-9	1627	Thu	34743 17386 86123 73352 08787 45338	AM/RDFT	(RR2)
HM01	11435	28-9	1659	Thu	34743 17386 86123 73352 08787 45338	AM/RDFT	(DSch)
HM01	16180	28-9	2057	Thu	34743 17386 86123 73352 08787 45338	AM/RDFT	(RL)
HM01	17480	28-9	2157	Thu	34743 17386 86123 73352 08787 45338	AM/RDFT	(RL)
HM01	11530	29-9		Fri	34743 17386 86123 73352 08787 45338	AM/RDFT	(AB-USA)
HM01	11435	29-9	1627	Fri	34743 17386 86123 73352 08787 45338 (repeating the groups sent on 27 Sept)	AM/RDFT	(RR2)
HM01	11530	29-9	1715	Fri	34743 17386 86123 73352 08787 45338	AM/RDFT	(DSch)
HM01	11435	30-9	1627	Sat	34743 17386 86123 73352 08787 45338 (repeating the groups sent on 27 Sept)	AM/RDFT	(RR2)
Jam-mer	11420	26-9	1212	Tue	Vietnamese Siren Jammer	AM	(AB-CHN)
M01	6260	2-9	1500	Sat	463 721 30=98617	CW	(HFD)
M01	6260	2-9	1500	Sat	463 721/30 721/30 98617 42605 26665 ... 58441 48156 76750 721/30 000. (As sent-5FGs sent twice)	CW	(AB/MPJ)
M01	6510	3-9	0700	Sun	463 521 30=#018#	CW	(HFD)
M01	5020	5-9	2000	Tue	463 ### 30=67#06	CW	(HFD)

<b>M01</b>	5485	7-9	1800	Thu	463 741 741 30 30 == 08304 68893 13589 ... 29130 55680 83826 == 741 741 30 30 000	MCW	(AB)
<b>M01</b>	5475	19-9	1800	Tue	463 QRM	CW	(HFD)
<b>M01</b>	5475	26-9	1800	Tue	463 6876 687 (!) 30 30 == 30258 25995 46017 ... 97443 77409 98956 == 687 687 30 30 000	CW	(MPJ)
<b>M01</b>	5475	28-9	1800	Thu	463 901 30 901 30 75665 85887 58877 ... 86982 08372 90130 000 (Preamble as sent, no postamble)	CW	(MPJ)
<b>M01</b>	6260	30-9	1500	Sat	463 298 30 == 03567 11658 85757 ... 44563 12347 64751 == 298 30 000	CW	(MPJ)
<b>M01b</b>	3625	1-9	1902	Fri	153 786 32=74632 //4940	CW	(HFD)
<b>M01b</b>	4940	1-9	1902	Fri	153 786 32=74632 //3625	CW	(HFD)
<b>M01b</b>	3520	1-9	2010	Fri	582 786 32=74632 //4585	CW	(HFD)
<b>M01b</b>	4585	1-9	2010	Fri	582 786 32=74632 //3520	CW	(HFD)
<b>M01b</b>	3645	4-9	1915	Mon	771 786 32=74632 4465 inst. of 4455 //4465	CW	(HFD)
<b>M01b</b>	4465	4-9	1915	Mon	771 786 32=74632 4465 inst. of 4455 //3645	CW	(HFD)
<b>M01b</b>	3535	11-9	1810	Mon	420 786 32=74632 //4590	CW	(HFD)
<b>M01b</b>	4590	11-9	1810	Mon	420 786 32=74632 //3535	CW	(HFD)
<b>M01b</b>	3510	14-9	1832	Thu	201 786 32=74632 //4605	CW	(HFD)
<b>M01b</b>	4605	14-9	1832	Thu	201 786 32=74632 //3510	CW	(HFD)
<b>M01b</b>	3715	14-9	1942	Thu	477 786 32=74632 //4570	CW	(HFD)
<b>M01b</b>	4570	14-9	1942	Thu	477 786 32=74632 //3715	CW	(HFD)
<b>M01b</b>	3535	25-9	1810	Mon	420 786 32 == 74632 22615 27704 ... 56038 32477 98952 == 786 32 000 //4590 kHz	MCW	(MPJ)
<b>M01b</b>	4590	25-9	1810	Mon	420 786 32 == 74632 22615 27704 ... 56038 32477 98952 == 786 32 000 //3535 kHz	MCW	(MPJ)
<b>M01b</b>	3645	25-9	1915	Mon	771 786 32 == 74632 22615 27704 ... 56038 32477 98952 == 786 32 000 //4465 kHz	MCW	(MPJ)
<b>M01b</b>	4465	25-9	1915	Mon	771 786 32 == 74632 22615 27704 ... 56038 32477 98952 == 786 32 000 //3645 kHz	MCW	(MPJ)
<b>M01b</b>	3510	28-9	1832	Thu	201 786 32 == 74632 22615 27704 ... 56038 32477 98952 == 786 32 000 //4605 kHz	MCW	(MPJ)
<b>M01b</b>	4605	28-9	1832	Thu	201 786 32 == 74632 22615 27704 ... 56038 32477 98952 == 786 32 000 //3510 kHz	MCW	(MPJ)
<b>M01b</b>	3715	28-9	1942	Thu	477 786 32 == 74632 22615 27704 ... 56038 32477 98952 == 786 32 000 //4570 kHz	MCW	(MPJ)
<b>M01b</b>	4570	28-9	1942	Thu	477 786 32 == 74632 22615 27704 ... 56038 32477 98952 == 786 32 000 //3715 kHz	MCW	(MPJ)
<b>M12</b>	11575	1-9	2010	Fri	352 352 352 000	CW	(HFD)
<b>M12</b>	8176	2-9	0500	Sat	134 1 145 111 66281 81448 77047 ... 55808 00529 63726 000 000	CW	(AB/HFD)
<b>M12</b>	9376	2-9	0520	Sat	134 1 145 111 66281 81448 77047 ... 55808 00529 63726 000 000	CW	(AB/HFD)
<b>M12</b>	10476	2-9	0540	Sat	134 1 145 111 66281 81448 77047 ... 55808 00529 63726 000 000	CW	(AB/HFD)
<b>M12</b>	13873	2-9	1310	Sat	834 834 834 000	CW	(AB/MPJ/HFD)
<b>M12</b>	13373	2-9	1330	Sat	834 834 834 000	CW	(AB/MPJ/HFD)
<b>M12</b>	16348	4-9	1400	Mon	384 384 384 000	CW	(AB/HFD)
<b>M12</b>	14848	4-9	1420	Mon	384 384 384 000	CW	(AB/HFD)
<b>M12</b>	9176	6-9	1700	Wed	257 1 3788 149 21321 27985 06093 ... 40995 63660 94122 000 000	CW	(AB)
<b>M12</b>	7931	6-9	1720	Wed	257 1 3788 149 21321 27985 06093 ... 40995 63660 94122 000 000	CW	(AB)
<b>M12</b>	6904	6-9	1740	Wed	257 1 3788 149 21321 27985 06093 ... 40995 63660 94122 000 000	CW	(AB)
<b>M12</b>	13375	6-9	1950	Wed	352 352 352 000	CW	(RL)
<b>M12</b>	11575	6-9	2010	Wed	352 352 352 000	CW	(RL)
<b>M12</b>	13873	7-9	1310	Thu	834 834 834 1 3474 61 3474 61 30656 08141 98078 ... 69279 72802 96209 000 000	CW	(AB)
<b>M12</b>	13373	7-9	1330	Thu	834 834 834 1 3474 61 3474 61 30656 08141 98078 ... 69279 72802 96209 000 000	CW	(AB)
<b>M12</b>	11473	7-9	1350	Thu	834 834 834 1 3474 61 3474 61 30656 08141 98078 ... 69279 72802 96209 000 000	CW	(AB)
<b>M12</b>	14377	7-9	1700	Thu	317 317 317 1 1221 101 1221 101 15117 86520 12293 ... 30586 78732 20013 000 000	CW	(AB)
<b>M12</b>	13461	7-9	1720	Thu	317 317 317 1 1221 101 1221 101 15117 86520 12293 ...	CW	(AB)



					30586 78732 20013 000 000		
<b>M12</b>	12144	7-9	1740	Thu	317 317 317 1 1221 101 1221 101 15117 86520 12293 ... 30586 78732 20013 000 000	CW	(AB)
<b>M12</b>	8176	9-9	0500	Sat	134 134 134 1 5372 113 5372 113 98745 20416 98647 ... 54766 82305 36221 000 000	CW	(AB)
<b>M12</b>	9376	9-9	0520	Sat	134 134 134 1 5372 113 5372 113 98745 20416 98647 ... 54766 82305 36221 000 000	CW	(AB)
<b>M12</b>	10476	9-9	0540	Sat	134 134 134 1 5372 113 5372 113 98745 20416 98647 ... 54766 82305 36221 000 000	CW	(AB)
<b>M12</b>	13873	9-9	1310	Sat	834 834 834 1 3474 61 3474 61 30656 08141 98078 ... 69279 72802 96209 000 000	CW	(AB)
<b>M12</b>	13373	9-9	1330	Sat	834 834 834 1 3474 61 3474 61 30656 08141 98078 ... 69279 72802 96209 000 000	CW	(AB)
<b>M12</b>	11473	9-9	1350	Sat	834 834 834 1 3474 61 3474 61 30656 08141 98078 ... 69279 72802 96209 000 000	CW	(AB)
<b>M12</b>	16348	11-9	1400	Mon	384 384 384 1 8188 151 8188 151 23809 82863 17602 ... 63228 59739 02343 000 000	CW	(AnEur)
<b>M12</b>	14848	11-9	1420	Mon	384 384 384 1 8188 151 8188 151 23809 82863 17602 ... 63228 59739 02343 000 000	CW	(AnEur)
<b>M12</b>	13448	11-9	1440	Mon	384 384 384 1 8188 151 8188 151 23809 82863 17602 ... 63228 59739 02343 000 000	CW	(AnEur)
<b>M12</b>	9176	11-9	1700	Mon	257 257 257 1 9777 111 9777 111 02095 22764 06541 ... 40402 85475 20100 000 000	CW	(AB/BvR)
<b>M12</b>	7931	11-9	1720	Mon	257 257 257 1 9777 111 9777 111 02095 22764 06541 ... 40402 85475 20100 000 000	CW	(AB/BvR)
<b>M12</b>	6904	11-9	1740	Mon	257 257 257 1 9777 111 9777 111 02095 22764 06541 ... 40402 85475 20100 000 000	CW	(AB/BvR)
<b>M12</b>	9176	13-9	1700	Wed	257 257 257 1 6808 107 6808 107 32241 39059 58011 ... 73216 36109 68653 000 000	CW	(AB)/HFD
<b>M12</b>	7931	13-9	1720	Wed	257 257 257 1 6808 107 6808 107 32241 39059 58011 ... 73216 36109 68653 000 000	CW	(AB/HFD)
<b>M12</b>	6904	13-9	1740	Wed	257 257 257 1 6808 107 6808 107 32241 39059 58011 ... 73216 36109 68653 000 000	CW	(AB/HFD)
<b>M12</b>	9176	13-9	1800	Wed	257 1	CW	(HFD)
<b>M12</b>	7931	13-9	1820	Wed	257 1	CW	(HFD)
<b>M12</b>	6904	13-9	1840	Wed	257 1	CW	(HFD)
<b>M12</b>	8047	13-9	1900	Wed	463 1	CW	(HFD)
<b>M12</b>	6802	13-9	1920	Wed	463 1	CW	(HFD)
<b>M12</b>	5788	13-9	1940	Wed	463 1	CW	(HFD)
<b>M12</b>	6793	13-9	2100	Wed	785 1	CW	(HFD)
<b>M12</b>	5893	13-9	2120	Wed	785 1	CW	(HFD)
<b>M12</b>	4593	13-9	2140	Wed	785 1	CW	(HFD)
<b>M12</b>	14377	14-9	1700	Thu	317 317 317 1 7806 108 7806 108 36627 44470 47606 ... 88859 90665 33951 000 000	CW	(AB)
<b>M12</b>	13461	14-9	1720	Thu	317 317 317 1 7806 108 7806 108 36627 44470 47606 ... 88859 90665 33951 000 000	CW	(AB)
<b>M12</b>	12144	14-9	1740	Thu	317 317 317 1 7806 108 7806 108 36627 44470 47606 ... 88859 90665 33951 000 000	CW	(AB)
<b>M12</b>	13375	15-9	1950	Fri	352 352 352 000	CW	(AB)
<b>M12</b>	11575	15-9	2010	Fri	352 352 352 000	CW	(AB)
<b>M12</b>	8176	16-9	0500	Sat	134 134 134 000	CW	(AB)
<b>M12</b>	9376	16-9	0520	Sat	134 134 134 000	CW	(AB)
<b>M12</b>	16348	18-9	1400	Mon	384 384 384 1 384 4750 127 4750 127 98269 37287 00446 ... 87600 79537 29128 000 000	CW	(AB)
<b>M12</b>	14848	18-9	1420	Mon	384 384 384 1 384 4750 127 4750 127 98269 37287 00446 ... 87600 79537 29128 000 000	CW	(AB)
<b>M12</b>	13448	18-9	1440	Mon	384 384 384 1 384 4750 127 4750 127 98269 37287 00446 ... 87600 79537 29128 000 000	CW	(AB)
<b>M12</b>	9176	18-9	1700	Mon	257 257 257 1 5024 101 5024 101 91018 83746 62282 ... 92886 88112 40190 000 000	CW	(AB)
<b>M12</b>	7931	18-9	1720	Mon	257 257 257 1 5024 101 5024 101 91018 83746 62282 ... 92886 88112 40190 000 000	CW	(AB)
<b>M12</b>	6904	18-9	1740	Mon	257 257 257 1 5024 101 5024 101 91018 83746 62282 ... 92886 88112 40190 000 000	CW	(AB)
<b>M12</b>	16348	20-9	1400	Wed	384 384 384 000	CW	(AB-G)
<b>M12</b>	14848	20-9	1420	Wed	384 384 384 000	CW	(AB-G)
<b>M12</b>	9176	20-9	1700	Wed	257 257 257 1 8235 111 8235 111 59455 38885 80653 ...	CW	(AB)

					56882 98181 45120 000 000		
<b>M12</b>	7931	20-9	1720	Wed	257 257 257 1 8235 111 8235 111 59455 38885 80653 ... 56882 98181 45120 000 000	CW	(AB/BvR)
<b>M12</b>	6904	20-9	1740	Wed	257 257 257 1 8235 111 8235 111 59455 38885 80653 ... 56882 98181 45120 000 000	CW	(AB)
<b>M12</b>	9176	20-9	1800	Wed	257 257 257 1 1576 134 1576 134 95712 73495 30074 ... 54301 19098 59647 000 000	CW	(AB)
<b>M12</b>	7931	20-9	1820	Wed	257 257 257 1 1576 134 1576 134 95712 73495 30074 ... 54301 19098 59647 000 000	CW	(AB/BvR)
<b>M12</b>	6904	20-9	1840	Wed	257 257 257 1 1576 134 1576 134 95712 73495 30074 ... 54301 19098 59647 000 000	CW	(AB/BvR)
<b>M12</b>	8047	20-9	1900	Wed	463 463 463 1 7316 140 7316 140 70529 27027 39966 ... 42754 31307 65343 000 000	CW	(AB)
<b>M12</b>	6802	20-9	1920	Wed	463 463 463 1 7316 140 7316 140 70529 27027 39966 ... 42754 31307 65343 000 000	CW	(AB)
<b>M12</b>	5788	20-9	1940	Wed	463 463 463 1 7316 140 7316 140 70529 27027 39966 ... 42754 31307 65343 000 000	CW	(AB)
<b>M12</b>	13375	20-9	1950	Wed	352 352 352 000	CW	(AB)
<b>M12</b>	11575	20-9	2010	Wed	352 352 352 000	CW	(AB)
<b>M12</b>	6793	20-9	2100	Wed	785 785 785 000	CW	(AB)
<b>M12</b>	5893	20-9	2120	Wed	785 785 785 000	CW	(AB)
<b>M12</b>	13873	21-9	1310	Thu	834 834 834 000	CW	(AB)
<b>M12</b>	13373	21-9	1330	Thu	834 834 834 000	CW	(AB)
<b>M12</b>	14377	21-9	1700	Thu	317 317 317 1 8377 105 8377 105 73484 27497 50142 ... 23159 09275 09750 000 000	CW	(AB)
<b>M12</b>	13461	21-9	1720	Thu	317 317 317 1 8377 105 8377 105 73484 27497 50142 ... 23159 09275 09750 000 000	CW	(AB)
<b>M12</b>	12144	21-9	1740	Thu	317 317 317 1 8377 105 8377 105 73484 27497 50142 ... 23159 09275 09750 000 000	CW	(AB)
<b>M12</b>	8146	21-9	2130	Thu	218 218 218 000	CW	(AB)
<b>M12</b>	9246	21-9	2130	Thu	218 218 218 000	CW	(AB)
<b>M12</b>	8176	23-9	0500	Sat	134 134 134 000	CW	(AB)
<b>M12</b>	9376	23-9	0520	Sat	134 134 134 000	CW	(AB)
<b>M12</b>	13873	23-9	1310	Sat	834 834 834 000	CW	(AB)
<b>M12</b>	13373	23-9	1330	Sat	834 834 834 000	CW	(AB)
<b>M12</b>	16348	25-9	1400	Mon	384 384 384 1 6614 167 6614 167 60503 81829 65637 ... 42259 32566 17128 000 000	CW	(AB/MPJ)
<b>M12</b>	14848	25-9	1420	Mon	384 384 384 1 6614 167 6614 167 60503 81829 65637 ... 42259 32566 17128 000 000	CW	(AB/MPJ)
<b>M12</b>	13448	25-9	1440	Mon	384 384 384 1 6614 167 6614 167 60503 81829 65637 ... 42259 32566 17128 000 000	CW	(AB/MPJ)
<b>M12</b>	9176	25-9	1700	Mon	257 257 257 1 6011 102 6011 102 80727 03930 96824 ... 93600 82765 88743 000 000	CW	(AB/MPJ)
<b>M12</b>	7931	25-9	1720	Mon	257 257 257 1 6011 102 6011 102 80727 03930 96824 ... 93600 82765 88743 000 000	CW	(AB/MPJ)
<b>M12</b>	6904	25-9	1740	Mon	257 257 257 1 6011 102 6011 102 80727 03930 96824 ... 93600 82765 88743 000 000	CW	(AB/MPJ)
<b>M12</b>	16348	27-9	1400	Wed	384 384 384 1 6614 167 6614 167 60503 81829 65637 ... 42259 32566 17128 000 000	CW	(AB/MPJ)
<b>M12</b>	14848	27-9	1420	Wed	384 384 384 1 6614 167 6614 167 60503 81829 65637 ... 42259 32566 17128 000 000	CW	(AB/MPJ)
<b>M12</b>	13448	27-9	1440	Wed	384 384 384 1 6614 167 6614 167 60503 81829 65637 ... 42259 32566 17128 000 000	CW	(AB/MPJ)
<b>M12</b>	9176	27-9	1700	Wed	257 257 257 2930 104 2930 104 60517 08249 83424 ... 67942 97155 90894 000 000	CW	(AB/MPJ)
<b>M12</b>	7931	27-9	1720	Wed	257 257 257 2930 104 2930 104 60517 08249 83424 ... 67942 97155 90894 000 000	CW	(AB/MPJ)
<b>M12</b>	6904	27-9	1740	Wed	257 257 257 2930 104 2930 104 60517 08249 83424 ... 67942 97155 90894 000 000	CW	(AB/MPJ)
<b>M12</b>	9176	27-9	1800	Wed	257 257 257 1 4872 131 4872 131 48897 64961 87761 ... 63561 16396 87191 05869 000 000	CW	(AB/MPJ)
<b>M12</b>	7931	27-9	1820	Wed	257 257 257 1 4872 131 4872 131 48897 64961 87761 ... 63561 16396 87191 05869 000 000	CW	(AB/MPJ)
<b>M12</b>	6904	27-9	1840	Wed	257 257 257 1 4872 131 4872 131 48897 64961 87761 ... 63561 16396 87191 05869 000 000	CW	(AB/MPJ)
<b>M12</b>	5788	27-9	1900	Wed	463 1 1751 144 28310 37017 88636 ... 94437 41234 15958 000 000	CW	(MPJ)

<b>M12</b>	6802	27-9	1900	Wed	463 1 1751 144 28310 37017 88636 ... 94437 41234 15958 000 000	CW	(MPJ)
<b>M12</b>	8047	27-9	1900	Wed	463 1 1751 144 28310 37017 88636 ... 94437 41234 15958 000 000	CW	(MPJ)
<b>M12</b>	13375	27-9	1950	Wed	352 352 352 000	CW	(AB/RL)
<b>M12</b>	11575	27-9	2010	Wed	352 352 352 000	CW	(AB/RL)
<b>M12</b>	6793	27-9	2100	Wed	785 785 785 1 5641 87 5641 87 62066 17873 17732 ... 80030 87031 78199 000 000	CW	(AB)
<b>M12</b>	5893	27-9	2120	Wed	785 785 785 1 5641 87 5641 87 62066 17873 17732 ... 80030 87031 78199 000 000	CW	(AB)
<b>M12</b>	4593	27-9	2140	Wed	785 785 785 1 5641 87 5641 87 62066 17873 17732 ... 80030 87031 78199 000 000	CW	(AB)
<b>M12</b>	13873	28-9	1310	Thu	834 834 834 1 1922 113 1922 113 05572 32964 66334 ... 89050 80534 77043 000 000	CW	(AB/MPJ)
<b>M12</b>	13373	28-9	1330	Thu	834 834 834 1 1922 113 1922 113 05572 32964 66334 ... 89050 80534 77043 000 000	CW	(AB/MPJ)
<b>M12</b>	11473	28-9	1350	Thu	834 834 834 1 1922 113 1922 113 05572 32964 66334 ... 89050 80534 77043 000 000	CW	(AB)
<b>M12</b>	14377	28-9	1700	Thu	317 317 317 1 2151 110 2151 110 39395 54677 51877 ... 25540 17582 10350 000 000	CW	(AB/MPJ)
<b>M12</b>	13461	28-9	1720	Thu	317 317 317 1 2151 110 2151 110 39395 54677 51877 ... 25540 17582 10350 000 000	CW	(AB/MPJ)
<b>M12</b>	12144	28-9	1740	Thu	317 317 317 1 2151 110 2151 110 39395 54677 51877 ... 25540 17582 10350 000 000	CW	(AB/MPJ)
<b>M12</b>	13375	29-9	1950	Fri	352 352 352 000	CW	(AB/MPJ/R L)
<b>M12</b>	11575	29-9	2010	Fri	352 352 352 000	CW	(AB/MPJ)
<b>M12</b>	8176	30-9	0500	Sat	134 134 134 1 5641 87 5641 87 62066 17873 17732 ... 80030 87031 78199 000 000	CW	(AB)
<b>M12</b>	9376	30-9	0520	Sat	134 134 134 1 5641 87 5641 87 62066 17873 17732 ... 80030 87031 78199 000 000	CW	(AB)
<b>M12</b>	10476	30-9	0520	Sat	134 134 134 1 5641 87 5641 87 62066 17873 17732 ... 80030 87031 78199 000 000	CW	(AB)
<b>M12</b>	13873	30-9	1310	Sat	834 834 834 1 1922 113 1922 113 05572 32964 66334 ... 89050 80534 77043 000 000	CW	(AB/MPJ)
<b>M12</b>	13373	30-9	1330	Sat	834 834 834 1 1922 113 1922 113 05572 32964 66334 ... 89050 80534 77043 000 000	CW	(AB/MPJ)
<b>M12</b>	11473	30-9	1350	Sat	834 834 834 1 1922 113 1922 113 05572 32964 66334 ... 89050 80534 77043 000 000	CW	(AB/MPJ)
<b>M14</b>	18041	1-9	0500	Fri	942 404 404 60 60 = = 20030 16049 22066 ... 75609 32067 00109 = = 404 404 60 60 00000	CW	(AB-CHN)
<b>M14</b>	5477	1-9	1700	Fri	382 382 382 00000 followed by 5FGs //5936	MCW	(HFD)
<b>M14</b>	5936	1-9	1700	Fri	382 382 382 00000	MCW	(AB/MPJ)
<b>M14</b>	5936	1-9	1700	Fri	382 382 382 00000 followed by 5FGs //5477	MCW	(HFD)
<b>M14</b>	5936	1-9	1715	Fri	35175 68189 69619 ... 40845 50628 51256	MCW	(AB)
<b>M14</b>	5477	1-9	1751	Fri	6627	MCW	(AB)
<b>M14</b>	5477	1-9	1758	Fri	37	MCW	(AB)
<b>M14</b>	5477	1-9	1800	Fri	382 382 382 00000	MCW	(AB/MPJ/H FD)
<b>M14</b>	5431	2-9	0800	Sat	171 241 241 40 40 = = 34526 36452 73654 ... 87465 39826 18726 = = 241 241 40 40 00000	CW	(AB-RUS)
<b>M14</b>	5560	2-9	0900	Sat	171 241 241 40 40 = = 34526 36452 73654 ... 87465 39826 18726 = = 241 241 40 40 00000	CW	(AB-RUS)
<b>M14</b>	5237	3-9	2300	Sun	376 241 241 40 40 = = 34526 36452 73654 ... 87465 39826 18726 = = 241 241 40 00000	MCW	(AB)
<b>M14</b>	5825	4-9	0000	Mon	376 241 241 40 40 = = 34526 36452 73654 ... 87465 39826 18726 = = 241 241 40 00000	MCW	(AB)
<b>M14</b>	18041	4-9	0500	Mon	952 361 361 50 50 = = 77531 91532 10927 ... 46609 94680 16440 = = 361 361 50 50 00000	CW	(AB-CHN)
<b>M14</b>	18041	5-9	0500	Tue	952 874 874 60 60 = = 00674 43168 55066 ... 29883 99598 91698 = = 874 874 60 60 00000	CW	(AB-J)
<b>M14</b>	4635	5-9	1600	Tue	273 853 48 78763 53446 64042 ... 58151 88651 23115 853 48 00000	MCW	(Da- nix/HFD)
<b>M14</b>	18041	6-9	0500	Wed	952 363 363 50 50 = = 13193 74807 70952 ... 96107 22686 37594 = = 363 363 50 50 00000	CW	(AB-CHN)
<b>M14</b>	18041	8-9	0500	Fri	952 680 680 50 50 = = 38873 51287 40195 ... 46699 36259	CW	(AB-

					23730 == 680 680 50 50 000		CHN/HFD)
<b>M14</b>	5431	9-9	0800	Sat	171 027 027 45 45 45632 17653 27362 ... 10956 37509 27843 027 027 45 45 00000	CW	(AB-POL)
<b>M14</b>	5560	9-9	0900	Sat	171 027 027 45 45 45632 17653 27362 ... 10956 37509 27843 027 027 45 45 00000	CW	(AB-POL)
<b>M14</b>	6817	10-9	0600	Sun	382 382 382 00000	MCW	(AB/BvR)
<b>M14</b>	6990	10-9	0700	Sun	382 382 382 00000	MCW	(AB)
<b>M14</b>	16347	10-9	0930	Sun	617 617 617 00000	CW	(AB)
<b>M14</b>	5241	10-9	2300	Sun	376 027 027 45 45 45632 17653 27362 ... 10956 37509 27843 027 027 45 45 00000	MCW	(AB)
<b>M14</b>	5241	10-9	2315	Sun	59 97857 38721 0469E then off	MCW	(AB)
<b>M14</b>	5825	11-9	0000	Mon	376 027 027 45 45 45632 17653 27362 ... 10956 37509 27843 027 027 45 45 00000	MCW	(AB)
<b>M14</b>	18041	11-9	0500	Mon	952 317 317 60 60 = = 23603 24116 44733 ... 30454 18557 55983 = = 317 317 60 60 00000	CW	(AB-CHN)
<b>M14</b>	5950	12-9	1820	Tue	346 027 45=45632	CW	(HFD)
<b>M14</b>	5460	13-9	1920	Wed	537	CW	(HFD)
<b>M14</b>	5940	15-9	1700	Fri	382 382 382 00000	MCW	(AB)
<b>M14</b>	5477	15-9	1800	Fri	382 382 382 00000	MCW	(AB)
<b>M14</b>	5431	16-9	0800	Sat	171 241 241 40 40 = = 34526 36452 73654 ... 87465 39826 18726 = = 241 241 40 40 00000	CW	(AB-HNG)
<b>M14</b>	5560	16-9	0900	Sat	171 241 241 40 40 = = 34526 36452 73654 ... 87465 39826 18726 = = 241 241 40 40 00000	CW	(AB-HNG)
<b>M14</b>	18041	18-9	0500	Mon	952 707 707 60 60 = = 06892 86899 15632 ... 25990 70339 98475 = = 707 707 60 60 00000	CW	(AB-CHN)
<b>M14</b>	18041	19-9	0500	Tue	952 863 863 50 50 = = 69716 61025 92589 ... 22276 55368 84418 = = 863 863 50 50 00000	CW	(AB-J)
<b>M14</b>	4635	19-9	1523	Tue	09952 86060 85246 99451 4422	MCW	(AB)
<b>M14</b>	4635	19-9	1535	Tue	92	MCW	(AB)
<b>M14</b>	4635	19-9	1546	Tue	92	MCW	(AB)
<b>M14</b>	4635	19-9	1550	Tue	5	MCW	(AB)
<b>M14</b>	4635	19-9	1556	Tue	8	MCW	(AB)
<b>M14</b>	4635	19-9	1600	Tue	273 853 853 48 48 78763 53446 64042 ... 58151 88651 23115 853 853 48 48 00000	MCW	(AB)
<b>M14</b>	18041	20-9	0500	Wed	952 863 863 60 60 = = 73129 15193 52447 ... 04199 97864 85667 = = 863 863 60 60 00000	CW	(AB-CHN)
<b>M14</b>	18041	21-9	0500	Thu	952 583 583 50 50 = = 41559 40263 87222 ... 13084 92364 87582 = = 683 683 50 50 00000	CW	(AB-CHN)
<b>M14</b>	18041	22-9	0500	Fri	952 174 174 50 50 = = 43395 73282 50140 ... 05986 29569 34074 = = 174 174 50 50 00000	CW	(AB-CHN)
<b>M14</b>	5560	23-9	0900	Sat	171 184 184 59 59 P3253 26V72 ... 12311 85502 184 284 59 59 00000 A complete mess. Many errors and clippings.	CW	(AB-HNG)
<b>M14</b>	6835	24-9	0600	Sun	382 382 382 00000	MCW	(HFD)
<b>M14</b>	5240	24-9	2300	Sun	376 184 184 59 59 13253 26472 48950 ... 49653 12311 84502 184 184 59 59 00000	MCW	(AB)
<b>M14</b>	5825	25-9	0000	Mon	376 184 184 59 59 13253 26472 48950 ... 49653 12311 84502 184 184 59 59 00000	MCW	(AB)
<b>M14</b>	18041	25-9	0500	Mon	925 386 386 50 50 = = 26596 49187 24264 ... 73733 71799 55118 = = 386 386 50 50 00000	CW	(AB-CHN)
<b>M14</b>	16347	25-9	0930	Mon	617 617 617 00000	CW	(AB/ES)
<b>M14</b>	18041	26-9	0500	Tue	952 417 417 50 50 = = 07625 84145 43598 ... 47817 40372 86308 = = 417 417 50 50 00000	CW	(AB-CHN)
<b>M14</b>	5940	26-9	1820	Tue	346 819 174 85831 86791 89909 ... 45287 79775 98788 819 174 00000	MCW	(MPJ)
<b>M14</b>	18041	27-9	0500	Wed	952 836 836 55 55 = = 20799 59498 14855 ... 03973 06412 15998 = = 836 836 55 55 00000	CW	(AB-CHN)
<b>M14</b>	18041	29-9	0500	Fri	952 474 474 60 60 = 62811 78118 69750 ...	CW	(AB-CHN)
<b>M22</b>	2680	18-9	1745	Mon	VVV DE 4XZ	CW	(BvR)
<b>M32</b>	5522	1-8	1701		i.p. KPY A QSA 3 K. OK K (All stations on this frequency) R K. DE LJA7 QSA 2 QSA ? K	CW	(JPL-Sib)
<b>M32</b>	7908	7-9	1054	Thu	i.p. VXPMM ZUCHB JMEGI YVXWM LGFCH BATRM UYVXW MRZFC 4S5X DE BG4Y K. AS NW 4S5X DE BG4Y ZLU ZYM K. BG4Y 902 30 7 1410 902 = 530 = MMMM ...	CW	(JPL-Sib)
<b>M32</b>	5639	25-9	1907	Mon	VVVVV K. WYFU DE 6HB6 QDA? NRFO K YFU DE 6HB6 QDA? NRFO K. 6HB6 414 29 25 2205 414 = FM 6HB6 FOR NRFO 778 = 78373 87904 56440 ...	CW	(AnEur)
<b>M32</b>	14664	29-9	1213	Fri	XXX WEGI 15401 95061 RASCEPLENXX 6716 3604 K	CW	(MPJ)

<b>M32</b>	5693	30-9	1604	Sat	A2MS DE 6HB6 K. QSA 4 QSA ? K. R K. WT19 DE 6HB6 K. WYFU DE 6HB6 K. QSA 4 QSA ? K R K NRFO DE 6HB6 K	CW	(JPL-CHN)
<b>M32a</b>	10540	1-9	1025	Fri	RLA88 (x3) DE RIW (x2) SK	CW	(JPL-Sib)
<b>M32a</b>	9145	11-9	1209	Mon	RIW RPT K. RIW OK QYT 4 QWH 169.O K	CW	(JPL-Sib)
<b>M32a</b>	5016	11-9	1220	Mon	RJI34 K. RJI34 OK QRU K	CW	(JPL-KOR)
<b>M32b</b>	8816	2-9	0724	Sat	rjf94 rjc38 de 26340 qto 0705 qrd XLAA XLMV qbd 0530 qre 0905 k	CW	(WP3)
<b>M32b</b>	8816	2-9	1027	Sat	rjf94 rjc38 de 26340 qto 1012 qrd XUMO XLAA qbd 0530 qre 1315 k	CW	(WP3)
<b>M32b</b>	8816	3-9	1427	Sun	rjf94 rjc38 de 26340 qto 1415 qrd XLMV XUMO qbd 0530 qre 1815 k	CW	(WP3)
<b>M32c</b>	8162	8-9	1500	Fri	W and K-markers: Tu-95MS Bear H net	CW	(Tom)
<b>M32c</b>	8162	26-9	1800	Tue	W-markers: Tu-95MS Bear H net	CW	(Tom)
<b>M42</b>	16218	5-9	1328	Tue	Russian diplo/intel.	FSK 50/500	(MCO)
<b>M42</b>	14566	22-9	1132	Fri	Russian diplo/intel. Header: 11100 50080 48756 22013 04009	Baudot 75/500	(MCO)
<b>M42b</b>	14380	3-9	1037	Sun	i.p. RZ ESYZA NQLNC XMSUS AACOG GEFLO SZEGT DNLCO MRFXM VHTVP ... Opchat in FSK/CW: CFM QRU? RQ 1TT QBN K	FSK 100/450	(SP1)
<b>M42b</b>	12200	5-9	0834	Tue	NT9P DE K4MT	CW	(AAI)
<b>M42b</b>	12164	8-9	0720	Fri	Russian diplo/intel. NT9P NT9P NT9P DE K4MT K4MT K	CW	(AAI)
<b>M42b</b>	12164	8-9	0736	Fri	K4MT msg to NT9P: 192 141 8 0505 1557 = 03349 72174 92823 ... 50736 27732 62427, opchat in CW: QRU? K	FSK 50/500	(AAI)
<b>M51a</b>	6825	25-9	0808	Mon	i.p. DFSGD JWNYP FKSKQ LAMPO BHODF XHOSL EYTSF 35263 HSNWJ ... XHQJR SUJAO QMAHJ DHBVX +	CW	(AB)
<b>M51a</b>	6825	25-9	0830	Mon	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ LUNDI-LEcON NUMeRO 11-1/1 VITESSE 420 CODE = GFDTE XVWBQ ABNHU ...	CW	(AB)
<b>M89</b>	10180	1-9	1014	Fri	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
<b>M89</b>	11087	1-9	1017	Fri	SLBC i.p. 74UT 4AN6 N6D7 N543 A6T7 ... AR QSL ? HR WK NR 0035	CW	(JPL)
<b>M89</b>	6053	1-9	1032	Fri	V GJHS (x3) DE 5GFD (x2) //10178 sending different round slip	CW	(JPL)
<b>M89</b>	10178	1-9	1032	Fri	V FIK3 (x3) DE H4JH (x2) //6053 sending different round slip	CW	(JPL)
<b>M89</b>	6793	1-9	1035	Fri	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
<b>M89</b>	8060	1-9	1035	Fri	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
<b>M89</b>	3777	1-9	1346	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
<b>M89</b>	4532	1-9	1346	Fri	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
<b>M89</b>	5801	1-9	1348	Fri	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
<b>M89</b>	10180	1-9	1348	Fri	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
<b>M89</b>	4060	1-9	1350	Fri	V GJHS (x3) DE 5GFD (x2) //4609 sending different round slip	CW	(JPL)
<b>M89</b>	4609	1-9	1350	Fri	V FIK3 (x3) DE H4JH (x2) //4060 sending different round slip	CW	(JPL)
<b>M89</b>	4636	1-9	1359	Fri	i.p. D3N6 AN47 D6A4 AD54 ... III = 63U7 763T D364 NA34 ...	CW	(JPL)
<b>M89</b>	4131	1-9	1649	Fri	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
<b>M89</b>	5801	1-9	1659	Fri	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
<b>M89</b>	10180	1-9	1659	Fri	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
<b>M89</b>	10178	3-9	0853	Sun	V FIK3 (x3) DE H4JH (x2) //6053 sending different round slip	CW	(JPL)
<b>M89</b>	6053	3-9	0854	Sun	V GJHS (x3) DE 5GFD (x2) //10178 sending different round slip	CW	(JPL)
<b>M89</b>	6793	3-9	0855	Sun	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
<b>M89</b>	8060	3-9	0855	Sun	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
<b>M89</b>	5801	3-9	1549	Sun	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
<b>M89</b>	10180	3-9	1549	Sun	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
<b>M89</b>	4131	3-9	1551	Sun	V JKBJ (x3) DE SLBC (x2) //5135 Note: semding JKBJ vice JKDJ	CW	(JPL)
<b>M89</b>	5131	3-9	1551	Sun	V JKBJ (x3) DE SLBC (x2) //4131 Note: sending JKBJ vice JKDJ	CW	(JPL)
<b>M89</b>	3777	3-9	1555	Sun	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
<b>M89</b>	4532	3-9	1555	Sun	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
<b>M89</b>	4060	3-9	1556	Sun	V GJHS (x3) DE 5GFD (x2) //4609 sending different round slip	CW	(JPL)
<b>M89</b>	4609	3-9	1556	Sun	V FIK3 (x3) DE H4JH (x2) //4060 sending different round	CW	(JPL)



					slip		
M89	10180	3-9	1834	Sun	DKG6 DKG6 DKG6 de 3A7D 3A7D V	CW	(GNL)
M89	10180	4-9	0619	Mon	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	6840	4-9	0620	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5)	CW	(JPL)
M89	10180	4-9	1047	Mon	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	6053	4-9	1048	Mon	V GJHS (x3) DE 5GFD (x2) //10178 sending different round slip	CW	(JPL)
M89	10178	4-9	1048	Mon	V TR2Q (x3) DE 5TUH (x2) //6053 sending different round slip	CW	(JPL)
M89	3777	4-9	1053	Mon	V M8JF (x3) DE RIS9 (x2) //4532 and 6793 and 8060	CW	(JPL)
M89	4532	4-9	1053	Mon	V M8JF (x3) DE RIS9 (x2) //3777 and 6793 and 8060	CW	(JPL)
M89	6793	4-9	1053	Mon	V M8JF (x3) DE RIS9 (x2) //3777 and 4532 and 8060	CW	(JPL)
M89	8060	4-9	1053	Mon	V M8JF (x3) DE RIS9 (x2) //3777 and 4532 and 6793	CW	(JPL)
M89	10180	5-9	0948	Tue	CLS/1800/ZBT/A363/2217 AR QSL ? HR WK NR 37 V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	6053	5-9	0954	Tue	V GJHS (x3) DE 5GFD (x2) //10178 sending different round slip	CW	(JPL)
M89	10178	5-9	0954	Tue	V TR2Q (x3) DE 5TUH (x2) //6053 sending different round slip	CW	(JPL)
M89	6793	5-9	0957	Tue	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
M89	9131	5-9	1007	Tue	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	3642	5-9	1657	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	5-9	1657	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	3777	5-9	1702	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	5-9	1702	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4060	5-9	1704	Tue	V GJHS (x3) DE 5GFD (x2) //4609 sending different round slip	CW	(JPL)
M89	4609	5-9	1704	Tue	V FIK3 (x3) DE H4JH (x2) //4060 sending different round slip	CW	(JPL)
M89	5747	5-9	1741	Tue	i.p. QRV K. QSA NO QSA NO QSY 65971 QSY 65971 K. CFM K	CW	(JPL)
M89	5736	5-9	1746	Tue	V JKDJ (x3) DE SLBC (x2) //4131	CW	(JPL)
M89	4125	5-9	1749	Tue	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	3642	5-9	2146	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	3642	5-9	2148	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	5-9	2148	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	3777	5-9	2150	Tue	V M8JF (x3) DE RIS9 (x2) //4532 and 6793 and 8060	CW	(JPL)
M89	4532	5-9	2150	Tue	V M8JF (x3) DE RIS9 (x2) //3777 and 6793 and 8060	CW	(JPL)
M89	6793	5-9	2150	Tue	V M8JF (x3) DE RIS9 (x2) //3777 and 4532 and 8060	CW	(JPL)
M89	8060	5-9	2150	Tue	V M8JF (x3) DE RIS9 (x2) //3777 and 4532 and 6793	CW	(JPL)
M89	4060	5-9	2153	Tue	V GJHS (x3) DE 5GFD (x2) //4609 sending different round slip	CW	(JPL)
M89	4609	5-9	2153	Tue	V FIK3 (x3) DE H4JH (x2) //4060 sending different round slip	CW	(JPL)
M89	4125	5-9	2155	Tue	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	3428	5-9	2203	Tue	VVV 5Q5Q (x2) DE H7U (x2)	CW	(JPL)
M89	4620	5-9	2220	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	4860	5-9	2220	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 6840	CW	(JPL)
M89	6840	5-9	2220	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 4860	CW	(JPL)
M89	4720	5-9	2230	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	5-9	2230	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	10180	6-9	0757	Wed	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	11087	6-9	0758	Wed	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	6793	6-9	0800	Wed	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	6-9	0800	Wed	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	4609	6-9	0805	Wed	V FIK3 (x3) DE H4JH (x2) //4060 sending different round slip	CW	(JPL)
M89	10178	6-9	0805	Wed	V FIK3 (x3) DE H4JH (x2)	CW	(JPL)
M89	11087	6-9	1101	Wed	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	6411	6-9	1106	Wed	i.p. WC AR BT G4ET/A7WC AR OK GA GA K. R QSL 1906 K. HR MSG GA K. R MSG	CW	(JPL)
M89	3642	6-9	1515	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	6-9	1515	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	3777	6-9	1517	Wed	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)

M89	4060	6-9	1517	Wed	V GJHS (x3) DE 5GFD (x2) //4609 sending different round slip	CW	(JPL)
M89	4532	6-9	1517	Wed	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4620	6-9	1520	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	4860	6-9	1520	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 6840	CW	(JPL)
M89	6840	6-9	1520	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 4860	CW	(JPL)
M89	4125	6-9	1522	Wed	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	4720	6-9	1530	Wed	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	6-9	1530	Wed	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	4131	6-9	1640	Wed	V JKDJ (x3) DE SLBC (x2) //5135	CW	(JPL)
M89	5135	6-9	1640	Wed	V JKDJ (x3) DE SLBC (x2) //4131	CW	(JPL)
M89	6840	7-9	0720	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //10640	CW	(JPL)
M89	10640	7-9	0720	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	6053	7-9	0727	Thu	V GJHS (x3) DE 5GFD (x2) //10178 sending different round slip	CW	(JPL)
M89	10178	7-9	0727	Thu	V FIK3 (x3) DE H4JH (x2)	CW	(JPL)
M89	6793	7-9	0735	Thu	V M8JF (x3) DE RIS9 (x2) //806	CW	(JPL)
M89	8060	7-9	0735	Thu	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	10180	7-9	1038	Thu	DT66 443A 4TU7 NUAD 56TN ... AR QSL ? HR WK NR 44 V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	11087	7-9	1044	Thu	V SLBC (x3) DE JKDJ (x2) Note: Call signs in round slip reversed.	CW	(JPL)
M89	3642	8-9	1848	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	8-9	1848	Fri	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	3777	8-9	1851	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	8-9	1851	Fri	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4060	8-9	1853	Fri	V GJHS (x3) DE 5GFD (x2) //4609 sending different round slip	CW	(JPL)
M89	4609	8-9	1853	Fri	V FIK3 (x3) DE H4JH (x2) //4060 sending different round slip	CW	(JPL)
M89	4131	8-9	1858	Fri	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	6840	9-9	1120	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //10640	CW	(JPL)
M89	10640	9-9	1120	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	3777	9-9	1126	Sat	V M8JF (x3) DE RIS9 (x2) //4532 and 6793 and 8060	CW	(JPL)
M89	4532	9-9	1126	Sat	V M8JF (x3) DE RIS9 (x2) //3777 and 6793 and 8060	CW	(JPL)
M89	6793	9-9	1126	Sat	V M8JF (x3) DE RIS9 (x2) //3777 and 4532 and 8060	CW	(JPL)
M89	8060	9-9	1126	Sat	V M8JF (x3) DE RIS9 (x2) //3777 and 4532 and 6793	CW	(JPL)
M89	4060	9-9	1128	Sat	V GJHS (x3) DE 5GFD (x2) //4609 sending different round slip	CW	(JPL)
M89	4609	9-9	1128	Sat	V FIK3 (x3) DE H4JH (x2) //4060 sending different round slip	CW	(JPL)
M89	3642	9-9	1544	Sat	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	9-9	1544	Sat	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	4131	9-9	1546	Sat	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	5425	9-9	1556	Sat	i.p. IEC = 1325 .. K. R IEC QSL .K. OK HR NR 152 K. R HR NIL SK K. R GB VV JFGM DE JMKZ K. VV JFRQ DE JWYZ K. VV JFYQ DE JWYZ K	CW	(JPL)
M89	4125	9-9	1934	Sat	V UISD (x3) DE CBFG (x2) //5479	CW	(JPL)
M89	5479	9-9	1934	Sat	V UISD (x3) DE CBFG (x2) //4125	CW	(JPL)
M89	4131	9-9	1935	Sat	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4390	9-9	1937	Sat	i.p. R QSL 0338 K. R ... Y K. R U QSL 0437 K. R QSL 0337 K. 1 35W K	CW	(JPL)
M89	10180	10-9	0816	Sun	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	11087	10-9	0817	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	6840	10-9	0820	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //10640	CW	(JPL)
M89	10640	10-9	0820	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	5801	10-9	1257	Sun	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	10-9	1257	Sun	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	11087	10-9	1258	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3777	10-9	1300	Sun	V M8JF (x3) DE RIS9 (x2) //4532 and 679	CW	(JPL)
M89	4532	10-9	1300	Sun	V M8JF (x3) DE RIS9 (x2) //3777 and 6793	CW	(JPL)
M89	6793	10-9	1300	Sun	V M8JF (x3) DE RIS9 (x2) //3777 and 4532	CW	(JPL)
M89	4060	10-9	1302	Sun	V GJHS (x3) DE 5GFD (x2) //4609 sending different round slip	CW	(JPL)

M89	4609	10-9	1303	Sun	V FIK3 (x3) DE H4JH (x2) //4060 sending different round slip	CW	(JPL)
M89	4125	10-9	1308	Sun	V UISD (x3) DE CBFG (x2) //5479	CW	(JPL)
M89	5479	10-9	1308	Sun	V UISD (x3) DE CBFG (x2) //4125	CW	(JPL)
M89	4620	10-9	1320	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	4860	10-9	1320	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 6840	CW	(JPL)
M89	5555.5	10-9	1320	Sun	i.p. 7UND 5A7D D67N ...	CW	(JPL)
M89	6840	10-9	1320	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 4860	CW	(JPL)
M89	5523	10-9	1326	Sun	i.p. TANU 5AUT 63TN TUTN TTUT AR ...	CW	(JPL)
M89	4720	10-9	1330	Sun	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	10-9	1330	Sun	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	4620	10-9	1620	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	4860	10-9	1620	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 6840	CW	(JPL)
M89	6840	10-9	1620	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 4860	CW	(JPL)
M89	4131	10-9	1621	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	10178	11-9	0746	Mon	V FIK3 (x3) DE H4JH (x2)	CW	(JPL)
M89	8060	11-9	0748	Mon	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
M89	5801	11-9	1206	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	11-9	1206	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	5177	11-9	1208	Mon	V SLBC (x3) DE JKDJ (x2) //11087 Note: round slip call signs have been reversed.	CW	(JPL)
M89	11087	11-9	1208	Mon	V SLBC (x3) DE JKDJ (x2) //5177 Note: round slip call signs have been reversed.	CW	(JPL)
M89	3777	11-9	1216	Mon	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	11-9	1216	Mon	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4060	11-9	1222	Mon	V GJHS (x3) DE 5GFD (x2) //4609 sending different round slip	CW	(JPL)
M89	4609	11-9	1222	Mon	V FIK3 (x3) DE H4JH (x2)	CW	(JPL)
M89	3548	11-9	1228	Mon	i.p. III = UA4N 64UD 47T3 DA43 U6A6 ...	CW	(JPL)
M89	4138	11-9	1230	Mon	i.p. 437D UTAN 354U 7ATD 6N4A 76D5 ... AR	CW	(JPL)
M89	4238	11-9	1239	Mon	i.p. 4A5D A374 N.63 3.N3 AN.8 47D6 ... AR AR K. R RPT 03W K. R = 6N7A AR K. R RPT 02W K (Cont'd repeat groups)	CW	(JPL)
M89	4545	11-9	1253	Mon	i.p. 46TN 67TD 5T63 ND4U 6475 UTDA ... III	CW	(JPL)
M89	4556	11-9	1514	Mon	i.p. U554 4TTA 6663 D6A5 UUU4 44T7 A75A ... 4UDT 5745 III III = 735D ADU6 546D UU53 (Cont'd 1518z)	CW	(JPL)
M89	4131	11-9	1528	Mon	V SLBC (x3) DE JKDJ (x2) round slip call signs have been reversed.	CW	(JPL)
M89	4720	11-9	1530	Mon	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	11-9	1530	Mon	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	6793	11-9	2338	Mon	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	11-9	2338	Mon	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	3642	11-9	2340	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	11-9	2340	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	10180	12-9	0752	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	6053	12-9	0753	Tue	V GJHS (x3) DE 5GFD (x2) //10178 sending different round slip	CW	(JPL)
M89	11087	12-9	0753	Tue	V JKDJ (x3) DE SLBC (x2) //5177	CW	(JPL)
M89	10178	12-9	0757	Tue	V FIK3 (x3) DE H4JH (x2)	CW	(JPL)
M89	6793	12-9	0802	Tue	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	12-9	0802	Tue	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	5696	12-9	0820	Tue	i.p. 3D5N D56T 7.N3 UANT T67U TAD3	CW	(JPL)
M89	5700	12-9	0823	Tue	i.p. AR K. R RPT 16W = 3UAU AR K. R QSL ? K	CW	(JPL)
M89	3642	13-9	2014	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	13-9	2014	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	3777	13-9	2018	Wed	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	13-9	2018	Wed	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4060	13-9	2020	Wed	V GJHS (x3) DE 5GFD (x2) //4609 sending different round slip	CW	(JPL)
M89	4609	13-9	2020	Wed	V TR2Q (x3) DE 5TUH (x2) //4060 sending different round slip. Previously sending FIK3 DE H4JH.	CW	(JPL)



M89	4620	13-9	2020	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	4860	13-9	2020	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 6840	CW	(JPL)
M89	6840	13-9	2020	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 4860	CW	(JPL)
M89	4125	13-9	2025	Wed	V UISD (x3) DE CBFG (x2) //5479	CW	(JPL)
M89	5479	13-9	2025	Wed	V UISD (x3) DE CBFG (x2) //4125	CW	(JPL)
M89	4609	14-9	0732	Thu	V TR2Q (x3) DE 5TUH (x2) //4060 sending different round slip. Previously sending FIK3 DE H4JH	CW	(JPL)
M89	10178	14-9	0732	Thu	V TR2Q (x3) DE 5TUH (x2) //6053 sending different round slip. Previously sending FIK3 DE H4JH	CW	(JPL)
M89	6793	14-9	0734	Thu	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	14-9	0734	Thu	i.p. D67A 5476 57N6 ... AR (V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	10180	14-9	0739	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	11087	14-9	0754	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	6840	14-9	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //10640	CW	(JPL)
M89	10640	14-9	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	3777	14-9	1126	Thu	V M8JF (x3) DE RIS9 (x2) //4532 and 6793 and 8060	CW	(JPL)
M89	4532	14-9	1126	Thu	V M8JF (x3) DE RIS9 (x2) //3777 and 6793 and 8060	CW	(JPL)
M89	6793	14-9	1126	Thu	V M8JF (x3) DE RIS9 (x2) //3777 and 4532 and 8060	CW	(JPL)
M89	8060	14-9	1126	Thu	V M8JF (x3) DE RIS9 (x2) //3777 and 4532 and 6793	CW	(JPL)
M89	7620	14-9	1130	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	8350	14-9	1130	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	5178	14-9	1216	Thu	i.p. 7647 UTNN T.N3 5UD5 ANT7 77UN 35T6 ...	CW	(JPL)
M89	4060	14-9	1229	Thu	V GJHS (x3) DE 5GFD (x2) //4609 sending different round slip	CW	(JPL)
M89	4620	14-9	1820	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	4860	14-9	1820	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620	CW	(JPL)
M89	3642	14-9	1821	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	14-9	1821	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	4125	14-9	1826	Thu	V UISD (x3) DE CBFG (x2) //5479	CW	(JPL)
M89	5479	14-9	1826	Thu	V UISD (x3) DE CBFG (x2) //4125	CW	(JPL)
M89	6053	14-9	2020	Thu	V GJHS (x3) DE 5GFD (x2) //10178 sending different round slip	CW	(JPL)
M89	5801	15-9	1154	Fri	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	15-9	1154	Fri	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	5177	15-9	1155	Fri	V JKDJ (x3) DE SLBC (x2) //11087	CW	(JPL)
M89	11087	15-9	1155	Fri	V JKDJ (x3) DE SLBC (x2) //5177	CW	(JPL)
M89	5153	15-9	1204	Fri	i.p. 3DNU N765 TU65 NUTA U35U ... AR K	CW	(JPL)
M89	3642	15-9	2222	Fri	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	4131	15-9	2225	Fri	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	5801	18-9	1107	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	18-9	1107	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	3777	18-9	1115	Mon	V M8JF (x3) DE RIS9 (x2) //4532 and 6793 and 8060	CW	(JPL)
M89	4532	18-9	1115	Mon	V M8JF (x3) DE RIS9 (x2) //3777 and 6793 and 8060	CW	(JPL)
M89	6793	18-9	1115	Mon	V M8JF (x3) DE RIS9 (x2) //3777 and 4532 and 8060	CW	(JPL)
M89	8060	18-9	1115	Mon	V M8JF (x3) DE RIS9 (x2) //3777 and 4532 and 6793	CW	(JPL)
M89	4060	18-9	1118	Mon	V GJHS (x3) DE 5GFD (x2) //4609 sending different round slip	CW	(JPL)
M89	4609	18-9	1118	Mon	V FIK3 (x3) DE H4JH (x2) //4060 sending different round slip	CW	(JPL)
M89	6840	18-9	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //10640	CW	(JPL)
M89	10640	18-9	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	4222	18-9	1156	Mon	i.p. MSG NR 86 CK 91 13 0918 1940 RMKS 7393 TO 793. K. R = A7DU ANNA DNDU 7U45 T6D3 T3TA (Cont'd) AR R GA K	CW	(JPL)
M89	8360	18-9	1220	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5)	CW	(JPL)
M89	5106	18-9	1239	Mon	i.p. 030 RMKS 4548 TO 4585 AR = K = C34 54. 35.546D (Cont'd)	CW	(JPL)
M89	4620	18-9	1920	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	4860	18-9	1920	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 6840	CW	(JPL)
M89	6840	18-9	1920	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 4860	CW	(JPL)

M89	3642	18-9	1921	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	18-9	1921	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	4165	18-9	1938	Mon	i.p. FF 41 CK 34 44 090. 34 44 0 FF 41 RPT ? AS AS	CW	(JPL)
M89	5801	19-9	1105	Tue	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	19-9	1105	Tue	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	3777	19-9	1110	Tue	V M8JF (x3) DE RIS9 (x2) //4532 and 6793 and 8060	CW	(JPL)
M89	4532	19-9	1110	Tue	V M8JF (x3) DE RIS9 (x2) //3777 and 6793 and 8060	CW	(JPL)
M89	6793	19-9	1110	Tue	V M8JF (x3) DE RIS9 (x2) //3777 and 4532 and 8060	CW	(JPL)
M89	8060	19-9	1110	Tue	V M8JF (x3) DE RIS9 (x2) //3777 and 4532 and 6793	CW	(JPL)
M89	4060	19-9	1519	Tue	V GJHS (x3) DE 5GFD (x2) //4609 sending different round slip	CW	(JPL)
M89	4609	19-9	1519	Tue	V FIK3 (x3) DE H4JH (x2) //4060	CW	(JPL)
M89	4620	19-9	1520	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	4860	19-9	1520	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 6840	CW	(JPL)
M89	6840	19-9	1520	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 4860	CW	(JPL)
M89	4720	19-9	1530	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	19-9	1530	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K (Hand sent) //4720	CW	(JPL)
M89	4476	19-9	1536	Tue	i.p. R QSL 2335 K. R OK R H F GA K. R F NR 9245/EX 2336 RMKS 9037 TO 9010 K	CW	(JPL)
M89	4125	19-9	1604	Tue	V UISD (x3) DE CBFG (x2) //5479	CW	(JPL)
M89	5479	19-9	1604	Tue	V UISD (x3) DE CBFG (x2) //4125	CW	(JPL)
M89	3642	19-9	1606	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	19-9	1606	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	5311	19-9	1609	Tue	i.p. FFF NR 1200/EX 009 = Q5O7/F4R6C QSY 04 QSY 04 QSY 04 VVV	CW	(JPL)
M89	5524	19-9	1613	Tue	i.p. /EX 15 = D6F0/G... AR FF NR 12.0/EX 0905 = D.F0/G8.. AR QSY 05 QSY 05 VVV	CW	(JPL)
M89	5621	19-9	1616	Tue	i.p. YK4U FFF NR 2121/EX 0005 = W.65/Q5FO AR QSY 25 QSY 25 VVV	CW	(JPL)
M89	10180	20-9	0957	Wed	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	8980	20-9	1005	Wed	V DP91 (x3) DE CQ (x2) HR NIL SK GB (x6)	CW	(JPL)
M89	6793	20-9	1014	Wed	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	20-9	1014	Wed	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	5556	20-9	1036	Wed	i.p. IEC BT .C = IEC = AR VVV .RH I 5555 = VV 4456 K.R 661 ER K. R QSA 2 K	CW	(JPL)
M89	4125	20-9	1705	Wed	V UISD (x3) DE CBFG (x2) //5479	CW	(JPL)
M89	5479	20-9	1705	Wed	V UISD (x3) DE CBFG (x2) //4125	CW	(JPL)
M89	4060	20-9	1713	Wed	V GJHS (x3) DE 5GFD (x2)	CW	(JPL)
M89	3777	20-9	2118	Wed	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	10999	22-9	0044	Fri	i.p. R R 4W EEEE RPT 04W = = 5U.. AR K	CW	(JPL)
M89	8930	22-9	0056	Fri	i.p. 7TNA 4743 AN7U 5U7N 74T6 D554 ...	CW	(JPL)
M89	8060	22-9	0116	Fri	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
M89	6776	22-9	0118	Fri	i.p. 6D6T T6U7 T35A 53.7 N6DU 65UN ... AR K R R	CW	(JPL)
M89	5676	22-9	0126	Fri	i.p. NTD5 6DT3 D7N3 7T4D N55D ...	CW	(JPL)
M89	5285	22-9	0131	Fri	i.p. 5T6U 65U3 4UT3 A45N ...	CW	(JPL)
M89	9131	22-9	0955	Fri	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	6793	22-9	0956	Fri	V M8JF (x3) DE RIS9 (x2) (IP - Cont'd) //8060	CW	(JPL)
M89	8060	22-9	0956	Fri	V M8JF (x3) DE RIS9 (x2) (IP - Cont'd) //6793	CW	(JPL)
M89	8980	22-9	1004	Fri	V DP91 (x3) DE CQ (x2) HR NIL SK GB (x6)	CW	(JPL)
M89	10180	22-9	1007	Fri	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	6840	22-9	1020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //10640	CW	(JPL)
M89	10640	22-9	1020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	11093	22-9	1024	Fri	VVV KYFA DE UYJR = YR NR 11 MSG QSL TIME 1808 AR (Cont'd)	CW	(JPL)
M89	5785	22-9	1052	Fri	i.p. 5A4D 3DNU 6U3A 54U7 53D6 745A N74D (Cont'd)	CW	(JPL)
M89	5689	22-9	1105	Fri	i.p. N67A D34T A675 346N A553 6533 ...	CW	(JPL)
M89	6840	25-9	0720	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //10640	CW	(JPL)
M89	10640	25-9	0720	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	9178	25-9	0723	Mon	i.p. DN73 T45U D67N .3TA N56N 7TAN D36D ...	CW	(JPL)
M89	8889	25-9	0725	Mon	i.p. 5674 DAU3 NTUA ... AR AR	CW	(JPL)
M89	6793	25-9	0740	Mon	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	25-9	0740	Mon	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	5873	25-9	0746	Mon	i.p. BN75 DN3T UN74 U3TA 76TD N537 TD76 ... AR K. R R U	CW	(JPL)

					MSG GA K		
M89	5862	25-9	0750	Mon	i.p. MSG NR 2089 CK 199 01 0925 1500 RMKS 7612 TO 7611 K. R AS = N563 N6TA TU6N76NT U34U A7T5 NA5T ...	CW	(JPL)
M89	5657	25-9	0800	Mon	i.p. 7G NR NR 014 CK 501 EEE EEE E MSG NR NR 501 T6 7G NT 7G NR NR 50A4 ...	CW	(JPL)
M89	5801	25-9	1128	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	25-9	1128	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	3777	25-9	1129	Mon	V M8JF (x3) DE RIS9 (x2) //3777 and 4532	CW	(JPL)
M89	4532	25-9	1129	Mon	V M8JF (x3) DE RIS9 (x2) //3777 and 6793	CW	(JPL)
M89	6793	25-9	1129	Mon	V M8JF (x3) DE RIS9 (x2) //3777 and 4532	CW	(JPL)
M89	3642	25-9	1713	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	25-9	1713	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	4060	25-9	1714	Mon	V GJHS (x3) DE 5GFD (x2)	CW	(JPL)
M89	4609	25-9	1714	Mon	V FIK3 (x3) DE H4JH (x2) //4060 sending different round slip	CW	(JPL)
M89	3642	25-9	2039	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	25-9	2039	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	4125	25-9	2048	Mon	V UISD (x3) DE CBFG (x2) //5479	CW	(JPL)
M89	5479	25-9	2048	Mon	V UISD (x3) DE CBFG (x2) //4125	CW	(JPL)
M89	9131	26-9	0958	Tue	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	10180	26-9	0959	Tue	i.p. COMM/1830/..364/4./2.96/222.. AR QSL ? HR WK NR 2.. V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	6053	26-9	1005	Tue	V GJHS (x3) DE 5GFD (x2) //10178 sending different round slip	CW	(JPL)
M89	10178	26-9	1005	Tue	V FIK3 (x3) DE H4JH (x2) //6053 sending different round slip	CW	(JPL)
M89	6793	26-9	1010	Tue	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	26-9	1010	Tue	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	6840	26-9	1020	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //10640	CW	(JPL)
M89	10640	26-9	1020	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	6793	27-9	0024	Wed	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	10178	27-9	0434	Wed	V FIK3 (x3) DE H4JH (x2) //6053 sending different round slip	CW	(JPL)
M89	6053	27-9	0435	Wed	V GJHS (x3) DE 5GFD (x2) //10178 sending different round slip	CW	(JPL)
M89	6793	27-9	0440	Wed	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	27-9	0440	Wed	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	6053	27-9	0923	Wed	V GJHS (x3) DE 5GFD (x2)	CW	(JPL)
M89	8060	27-9	0924	Wed	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	9131	27-9	0926	Wed	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	5801	28-9	0505	Thu	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	28-9	0505	Thu	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	6053	28-9	0515	Thu	V GJHS (x3) DE 5GFD (x2) //10178	CW	(JPL)
M89	10178	28-9	0515	Thu	V FIK3 (x3) DE H4JH (x2) //6053 sending different round slip	CW	(JPL)
M89	9131	28-9	0516	Thu	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	6793	28-9	0520	Thu	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	6840	28-9	0520	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) (Machine sent) //10640	CW	(JPL)
M89	8060	28-9	0520	Thu	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	10640	28-9	0520	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) (Machine sent) //6840	CW	(JPL)
M89	3777	28-9	1218	Thu	V M8JF (x3) DE RIS9 (x2) //4532 and 8060	CW	(JPL)
M89	4532	28-9	1218	Thu	V M8JF (x3) DE RIS9 (x2) //3777 and 8060	CW	(JPL)
M89	8060	28-9	1218	Thu	V M8JF (x3) DE RIS9 (x2) //4532 and 3777	CW	(JPL)
M89	3642	28-9	1220	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	6840	28-9	1220	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) (Machine sent) //10640	CW	(JPL)
M89	7602	28-9	1220	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	10640	28-9	1220	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) (Machine sent) //6840	CW	(JPL)
M89	4060	28-9	1550	Thu	V GJHS (x3) DE 5GFD (x2)	CW	(JPL)
M89	4125	28-9	1553	Thu	V UISD (x3) DE CBFG (x2) //5479	CW	(JPL)
M89	5479	28-9	1553	Thu	V UISD (x3) DE CBFG (x2) //4125	CW	(JPL)
M89	3776	28-9	1555	Thu	= 4AT7 4UTD 6T74 U6TA 4TN5 5T34 ...	CW	(JPL)
M89	4056	28-9	1612	Thu	i.p. R OK GA K. N RPT K. R QSL .01. K0010 K. QSL 0011 K	CW	(JPL)
M89	4462	28-9	1636	Thu	i.p. GA N QSL 0351 K. R QSL 0351 K. G GA HW ? K	CW	(JPL)

M89	6053	29-9	0910	Fri	V GJHS (x3) DE 5GFD (x2) //10178 sending different round slip	CW	(JPL)
M89	10178	29-9	0910	Fri	V FIK3 (x3) DE H4JH (x2) //6053 sending different round slip	CW	(JPL)
M89	9131	29-9	0912	Fri	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	9127	29-9	0913	Fri	i.p. 5DDN 4NDA 4NUD NT6N UNTA ... AR K. R R GA K. RRR GA R R OK QSL 1718 QSL 1718 K. NR NIL GB	CW	(JPL)
M89	6793	29-9	0923	Fri	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	29-9	0923	Fri	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	8980	30-9	1002	Sat	V DP91 (x3) DE CQ (x2) ... NIL SK	CW	(JPL)
M89	5801	30-9	1006	Sat	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10178	30-9	1015	Sat	V FIK3 (x3) DE H4JH (x2) //6053 sending different round slip	CW	(JPL)
M89	6053	30-9	1016	Sat	V GJHS (x3) DE 5GFD (x2) //10178 sending different round slip	CW	(JPL)
M89	10180	30-9	1016	Sat	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	9131	30-9	1018	Sat	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	6793	30-9	1019	Sat	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	30-9	1019	Sat	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	6840	30-9	1020	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) (Machine sent) //10640	CW	(JPL)
M89	10640	30-9	1020	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) (Machine sent) //6840	CW	(JPL)
M89	4894	30-9	1502	Sat	i.p. DP391 DP7391 QSA 3 HHR . NL SK GB 7791 QSA 3 U ? DP7791 DP7791 DP7791 QSA 3 HR NIL	CW	(JPL)
M89	3642	30-9	1515	Sat	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	30-9	1515	Sat	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	3777	30-9	1517	Sat	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	30-9	1517	Sat	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4060	30-9	1518	Sat	V GJHS (x3) DE 5GFD (x2)	CW	(JPL)
M89	4620	30-9	1520	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) (Machine sent) //4620 and 4860	CW	(JPL)
M89	4860	30-9	1520	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) (Machine sent) //4620 and 6840	CW	(JPL)
M89	4860	30-9	1520	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) (Machine sent) //4620	CW	(JPL)
M89	6840	30-9	1520	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) (Machine sent) //4620 and 4860	CW	(JPL)
M89	4131	30-9	1524	Sat	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	5479	30-9	1525	Sat	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	4720	30-9	1530	Sat	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K (Hand sent) //5150	CW	(JPL)
M89	5150	30-9	1530	Sat	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K (Hand sent) //4720	CW	(JPL)
M89	4712	30-9	1536	Sat	i.p. R AIII FF NR NR 6IIII NR NR 6163/EX 2337 RMKS 9075 TO 9442 K. R FF =	CW	(JPL)
M89	4491	30-9	1544	Sat	i.p. U35D 74DA 65ND 3TNA A55T 3AN4 ... AR K. R U MSG GA K	CW	(JPL)
M89	5555	30-9	1611	Sat	i.p. 7G 7G NR 7G GA 7G NR 289 CK 19. W	CW	(JPL)
M89	4060	30-9	2019	Sat	V GJHS (x3) DE 5GFD (x2) //4609 sending different round slip	CW	(JPL)
M89	4609	30-9	2019	Sat	V FIK3 (x3) DE H4JH (x2) //4060 sending different round slip	CW	(JPL)
M89	4620	30-9	2020	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) (Machine sent) //4860	CW	(JPL)
M89	4720	30-9	2030	Sat	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K (Hand sent) //5150	CW	(JPL)
M89	5150	30-9	2030	Sat	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K (Hand sent) //4720	CW	(JPL)
M95	4364	1-9	1143	Fri	V BNGC (x3) DE XSV85 (x2) HR 7GS GA PSE CY NR 0758 CK 304 35 0901 1625 = TTA 3U6 3AN 3U7 TAU 773 357 ... //8073 kHz	CW	(JPL-NZL)
M95	8073	1-9	1143	Fri	V BNGC (x3) DE XSV85 (x2) HR 7GS GA PSE CY NR 0758 CK 304 35 0901 1625 = TTA 3U6 3AN 3U7 TAU 773 357 ... //4364 kHz	CW	(JPL-NZL)
M95	4243	1-9	1146	Fri	i.p. NR 012 CK 17 35 0901 1457 = 5TD UTT TTA 3U6 3A4 356 4TN U7U N4A 444 ... //9054 kHz	CW	(JPL-NZL)



M95	9054	1-9	1146	Fri	i.p. NR 012 CK 17 35 0901 1457 = 5TD UTT TTA 3U6 3A4 356 4TN U7U N4A 444 ... //4243 kHz	CW	(JPL-NZL)
M95	7553	3-9	0918	Sun	BNEC (x3) DE XSV70 (x2) V HR MSG TO YR NR 7.9 CK 1.2 35 0903 1.7. UT. TT3 ... //9153 kHz	CW	(JPL-NZL)
M95	9153	3-9	0918	Sun	BNEC (x3) DE XSV70 (x2) V HR MSG TO YR NR 7.9 CK 1.2 35 0903 1.7. UT. TT3 ... //7553 kHz	CW	(JPL-NZL)
M95	8073	3-9	1605	Sun	V BNGC (x3) DE XSV85 (x2)	CW	(JPL-NZL)
M95	5555	4-9	1100	Mon	i.p. CQ XXX CQ XXX DUT. DUTY DUTY C. CY .. L CWCT CW 7G 17GS T C. GW F SENO. GC Q QVWOK GA OK (see N&O 240)	CW	(JPL-NZL)
M95	8073	6-9	1140	Wed	V BNGC (x3) DE XSV85 (x2) HR MSGS PSE CY NR 0784 CK 45 35 0906 1606 = TTN N5U TT6 N53 TAD N54 7TT TT7 746 6T3 ...	CW	(JPL-KOR)
M95	5700	7-9	0748	Thu	i.p. 7G NR 182/CCK CK 19 03 0907 1547 RMKS 7546 TO 8344 K (see N&O 240)	CW	(JPL-KOR)
M95	4364	7-9	1137	Thu	V BNGC (x3) DE XSV85 (x2) HR 7GS GA PSE CY NR 0790 CK 97 35 0907 1542 = TT7 3U6 3AN 3U7 TAU 773 357 ... //8073 kHz	CW	(JPL-KOR)
M95	8073	7-9	1137	Thu	V BNGC (x3) DE XSV85 (x2) HR 7GS GA PSE CY NR 0790 CK 97 35 0907 1542 = TT7 3U6 3AN 3U7 TAU 773 357 ... //4364 kHz	CW	(JPL-KOR)
M95	4243	7-9	1148	Thu	HR 7G TO YR PSE CY NR 02. CK 18 35 0907 14.4 = 5TD UTT ... //9054 kHz	CW	(JPL-KOR)
M95	9054	7-9	1148	Thu	HR 7G TO YR PSE CY NR 02. CK 18 35 0907 14.4 = 5TD UTT ... //4243 kHz	CW	(JPL-KOR)
M95	4364	9-9	1136	Sat	V BNGC (x3) DE XSV85 (x2) HR MSG GA NR NR 0795 CK 188 35 0909 1603 = TTN 3U6 3AN 3U7 TAU ... //8073 kHz	CW	(JPL-CHN)
M95	8073	9-9	1136	Sat	V BNGC (x3) DE XSV85 (x2) HR MSG GA NR NR 0795 CK 188 35 0909 1603 = TTN 3U6 3AN 3U7 TAU ... //4364 kHz	CW	(JPL-CHN)
M95	4243	9-9	1146	Sat	v A HR 7G TO YR PSE CY NR 03 CK 32 49 0909 1721 = 7N5 757 T75 TT5 4TT N35 45T 755 N7U 353 ... //9054 kHz	CW	(JPL-CHN)
M95	9054	9-9	1146	Sat	v A HR 7G TO YR PSE CY NR 03 CK 32 49 0909 1721 = 7N5 757 T75 TT5 4TT N35 45T 755 N7U 353 ... //4243 kHz	CW	(JPL-CHN)
M95	4348	11-9	1452	Mon	i.p. R QSA 2 R RPT K. R QS.. MSG NR 004/CCK CK 99 18 0911 2300 RMKS 0738 TO ....K	CW	(JPL-Sib)
M95	4364	14-9	1139	Thu	V BNGC (x3) DE XSV85 (x2) HR MSG GA NR 0825 CK 248 35 0914 1548 = TA4 3U6 3AN 3U7 TAU ... //8073 kHz	CW	(JPL-CHN)
M95	8073	14-9	1139	Thu	V BNGC (x3) DE XSV85 (x2) HR MSG GA NR 0825 CK 248 35 0914 1548 = TA4 3U6 3AN 3U7 TAU ... //4364 kHz	CW	(JPL-CHN)
M95	4243	14-9	1145	Thu	V HR 7G TO YR PSE CY NR 04 CK 28 49 0913 1300 = 7N5 757 T75 TT5 4TT ... //9054 kHz	CW	(JPL-CHN)
M95	9054	14-9	1145	Thu	V HR 7G TO YR PSE CY NR 04 CK 28 49 0913 1300 = 7N5 757 T75 TT5 4TT ... //4243 kHz	CW	(JPL-CHN)
M95	8235	18-9	1128	Mon	i.p. MSG NR 71/CCK CK 2. 81 0918 1930 RMKS 071. TO 82 EEEEE RMKS 0718 TO 8268...3477 =	CW	(JPL-NZL)
M95	8073	18-9	1137	Mon	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0838 CK A40 35 09A8 A546 = TAD 3U6 3AN 3U7 TAU 773 TA7 773 TU4 773 355 (Cont'd)	CW	(JPL-NZL)
M95	4243	18-9	1142	Mon	V 7G TO YR PSE CY NR 046 CK 19 35 0918 1522 = 5TD UTT TAD 3U6 3A4 356 4AA N3D (Cont'd) AR	CW	(JPL-CHN)
M95	4530	18-9	1214	Mon	i.p. R MSG NR 016/CCK CK 91 81 0918 2000 RMKS 3476 TO 5339 K	CW	(JPL-CHN)
M95	4535	19-9	1111	Tue	i.p. /CCK CK 91 45 0919 1900 RMKS = 2996 TO 3908 AR K	CW	(JPL-CHN)
M95	4327	19-9	1127	Tue	VVV VVV H HR MSG GA NR NR 754/CCK CK 200 68 0919 1900 RMKS 9013 TO 9037 K	CW	(JPL-CHN)
M95	4243	19-9	1147	Tue	HR MSG TO YR PSE CY NR 05 CK 27 49 0919 1932 = 7N5 T63 NN6 45D ATU ...	CW	(JPL-CHN)
M95	4243	19-9	1544	Tue	i.p. NR 05 CK 27 49 0919 1932 = 7N5 T63 NN6 45D ATU 56N 4TT N7U 6N3 N6D ...	CW	(JPL-CHN)
M95	9153	27-9	0914	Wed	BNEC (x3) DE XSV70 (x2) V	CW	(JPL)
M95	4364	28-9	1137	Thu	V BNGC (x3) DE XSV85 (x2) HR 7G GA PSE CY NR 0867 CK 160 35 0928 1531 = TUD 3U6 3AN 3U7 TAU ... //8073 kHz	CW	(JPL-CHN)
M95	8073	28-9	1137	Thu	V BNGC (x3) DE XSV85 (x2) HR 7G GA PSE CY NR 0867 CK 160 35 0928 1531 = TUD 3U6 3AN 3U7 TAU ... //4363 kHz	CW	(JPL-CHN)
M95	4243	28-9	1148	Thu	VV HR MSG TO YR PSE CY NR 066 CK 22 35 0928 1532 = 5TD UTT TUD 3U6 7T3 ... //9054 kHz	CW	(JPL-CHN)
M95	9054	28-9	1148	Thu	VV HR MSG TO YR PSE CY NR 066 CK 22 35 0928 1532 =	CW	(JPL-CHN)

					5TD UTT TUD 3U6 7T3 ... //4243 kHz		
M95	3300	28-9	1556	Thu	i.p. NU64 A73D 6745 6745 54 = NU64 A73D AR	CW	(JPL-CHN)
MX	16733.2	1-9	0833	Fri	Beacon F, Vladivostok	CW	(AB-PHL)
MX	13527.9	3-9	1659	Sun	Beacon S, Sevormorsk	CW	(AB)
MX	13528	3-9	1659	Sun	Beacon C, Moscow	CW	(AB)
MX	16331.9	3-9	1710	Sun	Beacon S, Sevormorsk	CW	(AB)
MX	10871.7	3-9	1711	Sun	Beacon D, Sevastopol	CW	(AB)
MX	10871.9	3-9	1711	Sun	Beacon S, Sevormorsk	CW	(AB)
MX	10872	3-9	1711	Sun	Beacon C, Moscow	CW	(AB)
MX	10872.1	3-9	1711	Sun	Beacon A, Astrakhan	CW	(AB)
MX	5709.1	3-9	1713	Sun	Beacon A, Astrakhan	CW	(AB)
MX	7508.7	3-9	1713	Sun	Beacon D, Sevastopol	CW	(AB)
MX	5153.7	3-9	1714	Sun	Beacon D, Sevastopol	CW	(AB)
MX	5156.8	3-9	1714	Sun	Beacon L, St Petersburg	CW	(AB)
MX	7038.4	3-9	1726	Sun	Beacon M, Magadan	CW	(AB-CHN)
MX	16331.7	4-9	1302	Mon	Beacon D, Sevastopol	CW	(GNL)
MX	16331.9	4-9	1302	Mon	Beacon S, Sevormorsk	CW	(GNL)
MX	16332	4-9	1302	Mon	Beacon C, Moscow	CW	(GNL)
MX	13527.7	4-9	1349	Mon	Beacon D, Sevastopol	CW	(GNL)
MX	13527.9	4-9	1349	Mon	Beacon S, Sevormorsk	CW	(GNL)
MX	13528	4-9	1349	Mon	Beacon C, Moscow	CW	(GNL)
MX	10871.9	4-9	1400	Mon	Beacon S, Sevormorsk	CW	(GNL)
MX	10872	4-9	1400	Mon	Beacon C, Moscow	CW	(GNL)
MX	13528.3	20-9	0611	Wed	Beacon K, Petropavlovsk Kamchatskiy	CW	(AB-J)
MX	13528.4	20-9	0611	Wed	Beacon M, Magadan	CW	(AB-J)
MX	16332.4	20-9	0612	Wed	Beacon M, Magadan	CW	(AB-J)
MX	13528.1	20-9	0617	Wed	Beacon A, Astrakhan	CW	(AB-Sib)
MX	10872.1	20-9	0618	Wed	Beacon A, Astrakhan	CW	(AB-Sib)
MX	7508.7	20-9	1717	Wed	Beacon D, Sevastopol	CW	(BvR)
MX	8497.8	21-9	1316	Thu	Beacon L, St Petersburg	CW	(AB)
MX	13527.7	21-9	1316	Thu	Beacon D, Sevastopol	CW	(AB)
MX	13527.9	21-9	1316	Thu	Beacon S, Sevormorsk	CW	(AB)
MX	13528	21-9	1316	Thu	Beacon C, Moscow	CW	(AB)
MX	16331.7	21-9	1316	Thu	Beacon D, Sevastopol	CW	(AB)
MX	8495.1	21-9	1418	Thu	Beacon A, Astrakhan	CW	(AB)
MX	7508.7	21-9	1420	Thu	Beacon D, Sevastopol	CW	(AB)
MX	5156.8	21-9	1421	Thu	Beacon L, St Petersburg	CW	(AB)
MX	7039.4	21-9	1422	Thu	Beacon M, Magadan	CW	(AB-J)
MX	10871.1	21-9	1422	Thu	Beacon A, Astrakhan	CW	(AB)
MX	10872	21-9	1422	Thu	Beacon C, Moscow	CW	(AB)
MX	10871.7	21-9	1433	Thu	Beacon D, Sevastopol	CW	(AB)
MX	5154.2	21-9	1434	Thu	Beacon F, Vladivostok	CW	(AB-S)
MX	13527.2	22-9	1112	Fri	Beacon F, Vladivostok	CW	(AB-RUS)
MX	8495.1	22-9	1113	Fri	Beacon A, Astrakhan	CW	(AB-RUS)
MX	8495.1	22-9	1150	Fri	Beacon A, Astrakhan	CW	(BvR)
MX	13527.7	24-9	1617	Sun	Beacon D, Sevastopol	CW	(MPJ)
MX	10871.7	24-9	1713	Sun	Beacon D, Sevastopol	CW	(AB)
MX	10871.9	24-9	1713	Sun	Beacon S, Sevormorsk	CW	(AB)
MX	10872	24-9	1713	Sun	Beacon C, Moscow	CW	(AB)
MX	10872.1	24-9	1713	Sun	Beacon A, Astrakhan	CW	(AB)
MX	5156.8	24-9	1717	Sun	Beacon L, St Petersburg	CW	(AB)
MX	8497.8	24-9	1717	Sun	Beacon L, St Petersburg	CW	(AB)
MX	8495.1	24-9	1719	Sun	Beacon A, Astrakhan	CW	(AB)
MX	5154.1	24-9	1720	Sun	Beacon A, Astrakhan	CW	(AB-Sib)
MX	5154.4	24-9	1720	Sun	Beacon M, Magadan	CW	(AB-Sib)
MX	7039.4	24-9	1725	Sun	Beacon M, Magadan	CW	(AB-PHL)
MX	8495.4	24-9	1725	Sun	Beacon M, Magadan	CW	(AB-PHL)
MX	5154.2	24-9	1727	Sun	Beacon F, Vladivostok	CW	(AB-J)
MX	13527.7	27-9	1632	Wed	Beacon D, Sevastopol	CW	(MPJ)
MX	13527.9	27-9	1633	Wed	Beacon S, Sevormorsk	CW	(MPJ)
MX	16332.4	28-9	0703	Thu	Beacon F, Vladivostok	CW	(AB-CHN)
MX	13528.2	28-9	0704	Thu	Beacon F, Vladivostok	CW	(AB-CHN)
MX	13528.4	28-9	0704	Thu	Beacon M, Magadan	CW	(AB-CHN)
POL	10641	8-9	0940	Fri	Presumed Polish Intel.	QPSK125	(AB)
POL	10641	8-9	0945	Fri	Presumed Polish Intel.	QPSK125	(AB)
POL	4505	15-9	2035	Fri	Presumed Polish intel. 45 secs of data	QPSK-63 USB	(Danix)
POL	4505	15-9	2040	Fri	Presumed Polish intel. 45 secs of data	QPSK-63 USB	(Danix)

POL	10641	22-9	0940	Fri	Presumed Polish Intel.	QPSK125	(AB)
POL	10641	22-9	0945	Fri	Presumed Polish Intel.	QPSK125	(AB)
POL	4505	22-9	2035	Fri	Presumed Polish Intel.	QPSK63	(AB)
POL	4505	22-9	2040	Fri	Presumed Polish Intel.	QPSK63	(AB)
POL	10641	25-9	0940	Mon	Presumed Polish Intel.	QPSK125	(AB/Danix)
POL	10641	25-9	0945	Mon	Presumed Polish Intel.	QPSK125	(AB/Danix)
POL	13873	25-9	1410	Mon	Presumed Polish Intel.	BPSK63	(Danix)
POL	13873	25-9	1415	Mon	Presumed Polish Intel.	BPSK63	(Danix)
POL	11107	27-9	1120	Wed	Presumed Polish Intel.	QPSK63	(AB)
POL	11107	27-9	1125	Wed	Presumed Polish Intel.	QPSK63	(AB)
POL	10728	27-9	1225	Wed	Presumed Polish Intel.	BPSK63	(AB/MPJ)
POL	10728	27-9	1230	Wed	Presumed Polish Intel.	BPSK63	(AB/MPJ)
POL	5779	27-9	1435	Wed	Presumed Polish Intel.	BPSK63	(AB/MPJ)
POL	5779	27-9	1440	Wed	Presumed Polish Intel.	BPSK63	(AB/MPJ)
POL	4505	27-9	2035	Wed	Presumed Polish Intel.	QPSK63	(AB)
POL	4505	27-9	2040	Wed	Presumed Polish Intel.	QPSK63	(AB)
POL	10641	29-9	0940	Fri	Presumed Polish Intel.	QPSK125	(AB/MPJ)
POL	10641	29-9	0945	Fri	Presumed Polish Intel.	QPSK125	(AB/MPJ)
POL	13575	29-9	1440	Fri	15 blocks	BPSK63	(Danix)
						ACF=608	
POL	13575	29-9	1445	Fri	15 blocks	BPSK63	(Danix)
						ACF=608	
POL	10302	29-9	1500	Fri	17 blocks	BPSK63	(Danix)
						ACF=608	
POL	10302	29-9	1500	Fri	Presumed Polish Intel.	BPSK-63	(AB/MPJ)
POL	10302	29-9	1505	Fri	17 blocks	BPSK63	(Danix)
						ACF=608	
POL	10302	29-9	1505	Fri	Presumed Polish Intel.	BPSK-63	(AB/MPJ)
POL	4505	29-9	2035	Fri	Presumed Polish Intel.	QPSK63	(AB)
POL	4505	29-9	2040	Fri	Presumed Polish Intel.	QPSK63	(AB)
POL	10728	30-9	1225	Sat	Presumed Polish Intel.	BPSK-63	(MPJ)
POL	10728	30-9	1230	Sat	6 blocks	BPSK63	(Danix)
						ACF=608	
POL	5779	30-9	1435	Sat	16 blocks	BPSK63	(Danix)
						ACF=608	
POL	5779	30-9	1435	Sat	Presumed Polish Intel.	BPSK63	(AB/MPJ)
POL	5779	30-9	1440	Sat	16 blocks	BPSK63	(Danix)
						ACF=608	
POL	5779	30-9	1440	Sat	Presumed Polish Intel.	BPSK63	(AB/MPJ)
Q26	9151	2-9	1132	Sat	XYXYXYXYXY CSA E NLGE DB FFF NLGE NLGE DE CFJA CFJA CFJA K.FFF NLGE NLGE NLGE DE CFJA CFJA CFJA K	4+4 QPSK	(EW)
						75/3000 LSB	
Q26	7553	3-9	0900	Sun	Messages //9153 kHz	4+4 QPSK	(JPL-NZL)
						75/3000 LSB	
Q26	9153	3-9	0900	Sun	Messages //7553 kHz	4+4 QPSK	(JPL-NZL)
						75/3000 LSB	
Q26	8073	3-9	1601	Sun	Messages	4+4 QPSK	(JPL-NZL)
						75/3000 LSB	
Q26	5319	6-9	1121	Wed	i.p. 5463 3546 7648 7951 3467 9532 7693 3265 4289 7520-1 ... HW ? QSL ? HR WK NR 690 TKS	4+4 QPSK	(JPL-KOR)
						75/3000 LSB	
Q26	5319	6-9	1121	Wed	Messages	4+4 QPSK	(JPL-KOR)
						75/3000 LSB	
Q26	5319	6-9	1126	Wed	XYXYXYXYXY HR 6145 QSL T-185+2AHR HKWG GA SE NOTE CY 0125 150 23 9 1840 3016 3905 7930 7362 3 1075 4827 ... XYXYXYXYXY HR 6145 QSL	4+4 QPSK	(JPL-KOR)
						75/3000 LSB	
Q26	8073	6-9	1132	Wed	Messages	4+4 QPSK	(JPL-KOR)
						75/3000 LSB	
Q26	4364	7-9	1131	Thu	Messages //8073 kHz	4+4 QPSK	(JPL-KOR)
						75/3000 LSB	
Q26	8073	7-9	1131	Thu	Messages //4364 kHz	4+4 QPSK	(JPL-KOR)
						75/3000 LSB	
Q26	4243	7-9	1148	Thu	Messages //9054 kHz	4+4 QPSK	(JPL-KOR)
						75/3000 LSB	
Q26	9054	7-9	1148	Thu	Messages //4243 kHz	4+4 QPSK	(JPL-KOR)
						75/3000 LSB	
Q26	4364	9-9	1131	Sat	Messages //8073 kHz	4+4 QPSK	(JPL-CHN)
						75/3000 LSB	
Q26	8073	9-9	1131	Sat	Messages //4364 kHz	4+4 QPSK	(JPL-CHN)

						75/3000 LSB	
<b>Q26</b>	4243	9-9	1141	Sat	Messages //9054 kHz	4+4 QPSK	(JPL-CHN)
						75/3000 LSB	
<b>Q26</b>	9054	9-9	1141	Sat	Messages //4243 kHz	4+4 QPSK	(JPL-CHN)
						75/3000 LSB	
<b>Q26</b>	4364	14-9	1134	Thu	Messages //8073 kHz	4+4 QPSK	(JPL-CHN)
						75/3000 LSB	
<b>Q26</b>	8073	14-9	1134	Thu	Messages //4364 kHz	4+4 QPSK	(JPL-CHN)
						75/3000 LSB	
<b>Q26</b>	4243	14-9	1141	Thu	Messages //9054 kHz	4+4 QPSK	(JPL-CHN)
						75/3000 LSB	
<b>Q26</b>	9054	14-9	1141	Thu	Messages //4243 kHz	4+4 QPSK	(JPL-CHN)
						75/3000 LSB	
<b>Q26</b>	8407	15-9	0945	Fri	message i.p.	4+4 QPSK	(JPL-CHN)
						75/3000 LSB	
<b>Q26</b>	8073	18-9	1134	Mon	Messages	4+4 QPSK	(JPL-NZL)
						75/3000 LSB	
<b>Q26</b>	4243	18-9	1141	Mon	Messages	4+4 QPSK	(JPL-CHN)
						75/3000 LSB	
<b>Q26</b>	4243	19-9	1144	Tue	Messages	4+4 QPSK	(JPL-CHN)
						75/3000 LSB	
<b>Q26</b>	9153	27-9	0905	Wed	messages	4+4 QPSK	(JPL)
						75/3000 LSB	
<b>Q26</b>	4264	28-9	1130	Thu	Messages //8073 kHz	4+4 QPSK	(JPL-CHN)
						75/3000 LSB	
<b>Q26</b>	8073	28-9	1130	Thu	Messages //4264 kHz	4+4 QPSK	(JPL-CHN)
						75/3000 LSB	
<b>Q26</b>	4243	28-9	1141	Thu	Messages //9054 kHz	4+4 QPSK	(JPL-CHN)
						75/3000 LSB	
<b>Q26</b>	9054	28-9	1141	Thu	Messages //4243 kHz	4+4 QPSK	(JPL-CHN)
						75/3000 LSB	
<b>Q26</b>	4458	28-9	1619	Thu	Idling and traffic	4+4 QPSK	(JPL-CHN)
						75/3000 LSB	
<b>Q26</b>	10155	30-9	0805	Sat	Traffic. Chinese voice before and after the transmission	4+4 QPSK	(Phi)
						75/3000 LSB	
<b>Q26</b>	20559	30-9	0820	Sat	i.p. F MUHD MUHD MUHD DE VGNW VGNW VGNW K	4+4 QPSK	(EW)
						75/3000 LSB	
<b>Q26</b>	4525.5	30-9	1020	Sat	Traffic	4+4 QPSK	(JPL-CHN)
						75/3000 LSB	
<b>Q26</b>	9043.5	30-9	1029	Sat	Traffic	4+4 QPSK	(JPL-CHN)
						75/3000 LSB	
<b>RAv</b>	11360	5-9	1522	Tue	Korsar (Russian AF 334th Air Transport Regiment, 6985th Air Base, Pskov) w/78811 (IL-76MD) reporting landing at Raspiska (Russian AB Mozdok) at 1820 MSK	USB	(RP-MD)
<b>RAv</b>	11360	5-9	1530	Tue	Korsar USB w/76739 (IL-76MD) reporting departure from Kvartet (Russian AB Taganrog) at 1805 MSK w/60 tons fuel & next is Tver.(5Sep17) (RP-MD)	USB	(RP-MD)
<b>RNv</b>	8439	5-9	1245	Tue	Greyder (Russian Pacific Flt HQs, Vladivostok) w/Artikul (poss vessel)	USB	(RP-MD)
<b>RNv</b>	8439	5-9	1247	Tue	Greyder calling Kandidat w/no response	USB	(RP-MD)
<b>S06</b>	9237	1-9	1900	Fri	514 514 514 00000	USB	(AB/MPJ/HFD)
<b>S06</b>	6774	1-9	2000	Fri	514 514 514 00000	USB	(AB/HFD)
<b>S06</b>	4538	2-9	1900	Sat	913 913 913 00000	USB	(AB)
<b>S06</b>	4538	2-9	1900	Sat	913 913 913 00000	USB	(HFD)
<b>S06</b>	3899	2-9	2000	Sat	913 913 913 00000	USB	(AB/HFD)
<b>S06</b>	8056	5-9	2130	Tue	726 580 31 61099 51206 43222 ... 72796 93089 48640 580 31 00000	USB	(Danix)
<b>S06</b>	9082	6-9	0830	Wed	464 819 5 34140	USB	(HFD)
<b>S06</b>	9952	6-9	0840	Wed	464	USB	(HFD)
<b>S06</b>	5846	6-9	2230	Wed	726 580 31 61099 51206 43222 ... 72796 93089 48640 580 31 00000	USB	(AB)
<b>S06</b>	19035	7-9	0830	Thu	842 706 39 24407 27171 01575 ... 31964 95519 39786 706 39 00000	USB	(AB-CHN)
<b>S06</b>	15645	7-9	0930	Thu	842 706 39 24407 27171 01575 ... 31964 95519 39786 706 39 00000	USB	(AB-CHN)
<b>S06</b>	19035	8-9	0830	Fri	842 706 39 24407 27171 01575 ... 31964 95519 39786 706	USB	(AB-CHN)



					39 00000				
S06	15645	8-9	0930	Fri	842 706 39 24407 27171 01575 ... 31964 95519 39786 706	USB	(AB-KOR)		
					39 00000				
S06	15721	14-9	0400	Thu	480 636 55 27639	USB	(HFD-KOR)		
S06	19035	15-9	0830	Fri	842	USB	(HFD-HK)		
S06	15645	15-9	0930	Fri	842 951 40 79782	USB	(HFD-J)		
S06	9237	15-9	1900	Fri	514 514 514 00000	USB	(AB)		
S06	6774	15-9	2000	Fri	514 514 514 00000	USB	(AB)		
S06	4538	16-9	1900	Sat	913 913 913 00000	USB	(AB)		
S06	3894	16-9	2000	Sat	913 913 913 00000	USB	(AB)		
S06	19035	21-9	0830	Thu	842 367 41 96290 07697 93968 ... 82594 04793 74188 367	USB	(AB-CHN)		
					41 00000				
S06	15645	21-9	0930	Thu	842 367 41 96290 07697 93968 ... 82594 04793 74188 367	USB	(AB-CHN)		
					41 00000				
S06	19035	22-9	0830	Fri	842 367 41 96290 07697 93968 ... 82594 04793 74188 367	USB	(AB-PHL)		
					41 00000				
S06	15645	22-9	0930	Fri	842 367 41 96290 07697 93968 ... 82594 04793 74188 367	USB	(AB-CHN)		
					41 00000				
S06	19035	28-9	0830	Thu	842 105 42 95450 33217 84384 ... 31340 41879 13110 105	USB	(AB-J)		
					42 00000				
S06	15645	28-9	0930	Thu	842 105 42 95450 33217 84384 ... 31340 41879 13110 105	USB	(AB-J)		
					42 00000				
S06	19035	29-9	0830	Fri	842 105 42 95450 33217 84384 ... 31340 41879 13110 105	USB	(AB-J)		
					42 00000				
S06	15645	29-9	0930	Fri	842 105 42 95450 33217 84384 ... 31340 41879 13110 105	USB	(AB-CHN)		
					42 00000				
S06s	5744	1-9	0900	Fri	624 917 5 87452 96145 29354 10106 30287 917 5 00000	USB	(AB-HNG/HFD)		
S06s	6521	1-9	0910	Fri	624 917 5 87452 96145 29354 10106 30287 917 5 00000	USB	(AB-HNG/HFD)		
							(AB-HNG/HFD)		
S06s	12140	1-9	0930	Fri	516 824 7 09824 60684 32100 87326 25541 09255 76277	AM	(AB/MPJ/HFD)		
					824 7 00000				
S06s	13515	1-9	0940	Fri	516 824 7 09824 60684 32100 87326 25541 09255 76277	AM	(AB/HFD)		
					824 7 00000				
S06s	10350	2-9	0800	Sat	254 803 6 34031 33430 37536 34906 39698 35454 803 6	USB	(AB/HFD)		
					00000				
S06s	8520	2-9	0810	Sat	254 803 6 34031 33430 37536 34906 39698 35454 803 6	USB	(AB/HFD)		
					00000				
S06s	9220	4-9	0830	Mon	371 408 5 62813 36123 84042 36241 93604 408 5 00000	USB	(AB)		
S06s	8270	4-9	0840	Mon	371 408 5 62813 36123 84042 36241 93604 408 5 00000	USB	(AB)		
S06s	9145	4-9	1200	Mon	831 962 5 46062 68672 97478 39685 30485 962 5 00000	USB	(AB)		
S06s	11460	4-9	1210	Mon	831 962 5 46062 68672 97478 39685 30485 962 5 00000	USB	(AB)		
S06s	15855	5-9	0600	Tue	438 275 6 77620 57099 62733 74437 55440 20598 275 6	USB	(AB-G/HFD)		
					00000				
S06s	16485	5-9	0610	Tue	438 275 6 77620 57099 62733 74437 55440 20598 275 6	USB	(AB-G/HFD)		
					00000				
S06s	5760	5-9	0700	Tue	374 518 6 22696 12566 64525 45547 89203 25516 518 6	USB	(AB-UKR/HFD)		
					00000				
S06s	6930	5-9	0715	Tue	374 518 6 22696 12566 64525 45547 89203 25516 518 6	USB	(AB-UKR/HFD)		
					00000				
S06s	7425	5-9	0730	Tue	427 961 5 85052 23707 72808 92872 34045 961 5 00000	USB	(AB/HFD)		
S06s	11560	5-9	0740	Tue	427 961 5 85052 23707 72808 92872 34045 961 5 00000	USB	(AB/HFD)		
S06s	11635	5-9	0800	Tue	352 879 6 08394 77922 75255 82837 96066 58504 879 6	USB	(AB/HFD)		
					00000				
S06s	10420	5-9	0810	Tue	352 879 6 08394 77922 75255 82837 96066 58504 879 6	USB	(AB/HFD)		
					00000				
S06s	6410	5-9	1000	Tue	893 216 5 52301 62929 93688 24600 73238 216 5 00000	USB	(AB-HNG)		
S06s	7340	5-9	1010	Tue	893 216 5 52301 62929 93688 24600 73238 216 5 00000	USB	(AB-HNG)		
S06s	6190	5-9	1100	Tue	754 839 6 36062 67672 97478 39685 20835 87723 839 6	AM	(AB-HNG/HFD)		
					00000				
S06s	7230	5-9	1110	Tue	754 839 6 36062 67672 97478 39685 20835 87723 839 6	AM	(AB-HNG/HFD)		
					00000				
S06s	6464	5-9	1500	Tue	537 428 6 10471 11242 84885 96074 43722 93720 428 6	USB	(AB-HNG/HFD-UKR)		
					00000				
S06s	7242	5-9	1510	Tue	537 428 6 10471 11242 84885 96074 43722 93720 428 6	USB	(AB-HNG/HFD)		
					00000				

S06s	11530	6-9	0730	Wed	745 281 6 01405 15003 23437 60583 54545 50128 281 6 00000	AM	(AB/GFD)
S06s	12140	6-9	0740	Wed	745 281 6 01405 15003 23437 60583 54545 50128 281 6 00000	AM	(AB/HFD)
S06s	8630	6-9	0820	Wed	471 859 6 88554 82045 36171 24042 75956 31670 859 6 00000	USB	(AB/HFD)
S06s	9082	6-9	0830	Wed	464 819 5 34140 78386 91497 82963 24162 819 5 00000	USB	(AB)
S06s	9255	6-9	0830	Wed	471 859 6 88554 82045 36171 24042 75956 31670 859 6 00000	USB	(AB/HFD)
S06s	9952	6-9	0840	Wed	464 819 5 34140 78386 91497 82963 24162 819 5 00000	USB	(AB)
S06s	13365	6-9	1000	Wed	729 406 5 88146 56856 97735 46186 16945 406 5 00000	AM	(AB/HFD)
S06s	14505	6-9	1010	Wed	729 406 5 88146 56856 97735 46186 16945 406 5 00000	AM	(AB/HFD)
S06s	9081	7-9	0930	Thu	314 298 5 73428 51328 52734 02713 73416 298 5 00000	USB	(AB/HFD)
S06s	10514	7-9	0940	Thu	314 298 5 73428 51328 52734 02713 73416 298 5 00000	USB	(AB/HFD)
S06s	12415	7-9	1200	Thu	425 917 6 63518 62332 63408 64387 62314 63064 917 6 00000	USB	(HFD)
S06s	14212	7-9	1210	Thu	425 917 6 63518 62332 63408 64387 62314 63064 917 6 00000	USB	(HFD)
S06s	5744	8-9	0900	Fri	624 917 5 87452 96145 29354 10106 30287 917 5 00000	USB	(AB-UKR)
S06s	6521	8-9	0910	Fri	624 917 5 87452 96145 29354 10106 30287 917 5 00000	USB	(AB-UKR)
S06s	12140	8-9	0930	Fri	516 824 7 09824 60684 32100 87326 25541 09255 76277 824 7 00000	AM	(AB)
S06s	13515	8-9	0940	Fri	516 824 7 09824 60684 32100 87326 25541 09255 76277 824 7 00000	AM	(AB)
S06s	22185	10-9	0630	Sun	524 893 6 33844 48190 30069 43624 80458 36958 893 6 00000	USB	(Danix-UKR)
S06s	20050	10-9	0640	Sun	524 893 6 33844 48190 30069 43624 80458 36958 893 6 00000	USB	(Danix-UKR)
S06s	9220	11-9	0830	Mon	371 408 5 62813 36123 84042 36241 93604 408 5 00000	USB	(AB/HFD)
S06s	8270	11-9	0840	Mon	371 408 5 62813 36123 84042 36241 93604 408 5 00000	USB	(AB/HFD)
S06s	14580.1	11-9	0900	Mon	872 409 5 83427 73428 93425 73417 03527 409 5 00000 slightly off freq	USB	(AB/HFD)
S06s	13165.1	11-9	0910	Mon	872 409 5 83427 73428 93425 73417 03527 409 5 00000 slightly off freq	USB	(AB/HFD)
S06s	9145	11-9	1200	Mon	831 962 5 46062 68672 97478 39685 30485 962 5 00000	USB	(HFD)
S06s	11460	11-9	1210	Mon	831 962 5 46062 68672 97478 39685 30485 962 5 00000	USB	(HFD)
S06s	5760	12-9	0700	Tue	374 518 6 22696 12566 64525 45547 89203 25516 518 6 00000	USB	(AB-UKR)
S06s	6930	12-9	0715	Tue	374 518 6 22696 12566 64525 45547 89203 25516 518 6 00000	USB	(AB-UKR)
S06s	7425	12-9	0730	Tue	427 961 5 85052 23707 72808 92872 34045 961 5 00000	USB	(AnEur)
S06s	11560	12-9	0740	Tue	427 961 5 85052 23707 72808 92872 34045 961 5 00000	USB	(AnEur)
S06s	11635	12-9	0800	Tue	352 879 6 08394 77922 75255 82837 96066 58504 879 6 00000	USB	(AnEur)
S06s	10420	12-9	0810	Tue	352 879 6 08394 77922 75255 82837 96066 58504 879 6 00000	USB	(AnEur)
S06s	6464	12-9	1500	Tue	537 428 6 10471 11242 84885 96074 43722 93720 428 6 00000	USB	(AB-HNG)
S06s	7242	12-9	1510	Tue	537 428 6 10471 11242 84885 96074 43722 93720 428 6 00000	USB	(AB-HNG)
S06s	11530	13-9	0730	Wed	745 281 6 01405 15003 23437 60583 54545 50128 281 6 00000	AM	(AB)
S06s	12140	13-9	0740	Wed	745 281 6 01405 15003 23437 60583 54545 50128 281 6 00000	AM	(AB)
S06s	22185	17-9	0630	Sun	524 806 7 25073 19453 83083 45353 47543 40832 16091 806 7 00000	USB	(AB-OMA)
S06s	20050	17-9	0640	Sun	524 806 7 25073 19453 83083 45353 47543 40832 16091 806 7 00000	USB	(AB-OMA)
S06s	9220	18-9	0830	Mon	371 580 6 54921 95004 97644 59013 40142 08364 580 6 00000	USB	(AB)
S06s	8270	18-9	0840	Mon	371 580 6 54921 95004 97644 59013 40142 08364 580 6 00000	USB	(AB)
S06s	14580	18-9	0900	Mon	872 409 5 83427 73428 93425 73417 03527 409 5 00000	USB	(AB)
S06s	13165	18-9	0910	Mon	872 409 5 83427 73428 93425 73417 03527 409 5 00000	USB	(AB)
S06s	9145	18-9	1200	Mon	831 592 6 39510 81692 66516 83314 67291 97361 592 6 00000	USB	(AB)
S06s	11460	18-9	1210	Mon	831 592 6 39510 81692 66516 83314 67291 97361 592 6 00000	USB	(AB)

[illegible]

<b>S06s</b>	16485	26-9	0610	Tue	438 590 6 25969 51248 85711 07524 54921 95004 590 6 00000	USB	(AB-UKR)
<b>S06s</b>	5760	26-9	0700	Tue	374 289 5 93012 73428 63923 04045 73418 289 5 00000	USB	(AB)
<b>S06s</b>	6930	26-9	0715	Tue	374 289 5 93012 73428 63923 04045 73418 289 5 00000	USB	(AB)
<b>S06s</b>	6930	26-9	0721	Tue	427 then off and moved to 7425 kHz	USB	(AB)
<b>S06s</b>	7425	26-9	0730	Tue	427 903 5 84520 52830 95034 44723 95004 903 5 00000	AM	(AB)
<b>S06s</b>	11560	26-9	0740	Tue	427 903 5 84520 52830 95034 44723 95004 903 5 00000	AM	(AB)
<b>S06s</b>	11635	26-9	0800	Tue	352 470 6 63823 41527 05637 51232 85637 95035 470 6 00000	USB	(AB)
<b>S06s</b>	10420	26-9	0810	Tue	352 470 6 63823 41527 05637 51232 85637 95035 470 6 00000	USB	(AB)
<b>S06s</b>	6410	26-9	1000	Tue	893 215 6 32908 61538 64070 63723 95648 62045 215 6 00000	USB	(AB/MPJ)
<b>S06s</b>	7340	26-9	1010	Tue	893 215 6 32908 61538 64070 63723 95648 62045 215 6 00000	USB	(AB/MPJ)
<b>S06s</b>	6190	26-9	1100	Tue	754 918 6 94053 52714 94630 63412 73429 94538 918 6 00000	AM	(AB-UKR/MPJ)
<b>S06s</b>	7230	26-9	1110	Tue	754 918 6 94053 52714 94630 63412 73429 94538 918 6 00000	AM	(AB-UKR/MPJ)
<b>S06s</b>	6464	26-9	1500	Tue	537 914 6 77568 12926 91253 89412 15734 44948 914 6 00000	USB	(AB)
<b>S06s</b>	7242	26-9	1510	Tue	537 914 6 77568 12926 91253 89412 15734 44948 914 6 00000	USB	(AB)
<b>S06s</b>	11530	27-9	0730	Wed	745 231 6 90509 62507 74488 17901 39510 27700 231 6 00000	AM	(AB)
<b>S06s</b>	12140	27-9	0740	Wed	745 231 6 90509 62507 74488 17901 39510 27700 231 6 00000	AM	(AB)
<b>S06s</b>	8630	27-9	0820	Wed	471 296 5 18139 57818 32007 36759 97964 296 5 00000	USB	(AB)
<b>S06s</b>	9082	27-9	0830	Wed	464 291 5 46062 68672 97478 39685 30485 291 5 00000	USB	(AB)
<b>S06s</b>	9255	27-9	0830	Wed	471 296 5 18139 57818 32007 36759 97964 296 5 00000	USB	(AB)
<b>S06s</b>	9952	27-9	0840	Wed	464 291 5 46062 68672 97478 39685 30485 291 5 00000	USB	(AB)
<b>S06s</b>	13365	27-9	1000	Wed	729 410 6 24317 68577 86237 76652 18206 83390 410 6 00000	AM	(AB/MPJ)
<b>S06s</b>	14505	27-9	1010	Wed	729 410 6 24317 68577 86237 76652 18206 83390 410 6 00000	AM	(AB/MPJ)
<b>S06s</b>	9081	28-9	0930	Thu	314 507 6 56793 46720 74700 73480 05230 46384 507 6 00000	USB	(AB)
<b>S06s</b>	10514	28-9	0940	Thu	314 507 6 56793 46720 74700 73480 05230 46384 507 6 00000	USB	(AB)
<b>S06s</b>	12415	28-9	1200	Thu	425 810 6 22796 12577 74245 46647 79302 53516 810 6 00000	USB	(AB/MPJ)
<b>S06s</b>	14212	28-9	1210	Thu	425 810 6 22796 12577 74245 46647 79302 53516 810 6 00000	USB	(AB/MPJ)
<b>S06s</b>	5744	29-9	0900	Fri	624 624 624 00000	USB	(AB-UKR/MPJ)
<b>S06s</b>	6524	29-9	0910	Fri	624 624 614 00000	USB	(AB-UKR/MPJ)
<b>S06s</b>	12140	29-9	0930	Fri	516 516 516 00000	AM	(AB/MPJ)
<b>S06s</b>	13515	29-9	0940	Fri	516 516 516 00000	AM	(AB/MPJ)
<b>S11a</b>	5358	1-9	0455	Fri	325/00	USB	(AB)
<b>S11a</b>	7317	1-9	0915	Fri	487/00	USB	(AB/MPJ)
<b>S11a</b>	9960	1-9	1020	Fri	426/00	USB	(AB/HFD)
<b>S11a</b>	4016	1-9	1955	Fri	370/00	USB	(AB/HFD)
<b>S11a</b>	10800	2-9	1540	Sat	560/00	USB	(AB/MPJ/HFD)
<b>S11a</b>	10213	2-9	1850	Sat	287/00	USB	(AB/MPJ)
<b>S11a</b>	7840	4-9	1830	Mon	389/00	USB	(HFD)
<b>S11a</b>	5358	5-9	0455	Tue	327/00	USB	(AB/HFD)
<b>S11a</b>	7317	5-9	0915	Tue	487/00	USB	(AB/HFD)
<b>S11a</b>	9960	5-9	1020	Tue	429/00	USB	(AB)
<b>S11a</b>	10800	6-9	1540	Wed	566/39 Vnimanaye ...	USB	(AB)
<b>S11a</b>	7840	6-9	1830	Wed	389/00	USB	(AnEur)
<b>S11a</b>	10213	6-9	1850	Wed	282/40 Vnimanaye 57498 04212 96683 ... 09957 13104 49073 Vnimanaye, rpt msg, konets	USB	(AB)
<b>S11a</b>	4016	6-9	1955	Wed	370/00	USB	(AB)
<b>S11a</b>	11493	7-9	1015	Thu	null msg unreadable	USB	(AB)
<b>S11a</b>	5358	8-9	0455	Fri	327/00	USB	(AB)

S11a	7317	8-9	0915	Fri	486/00	USB	(AB)
S11a	9960	8-9	1020	Fri	424/00	USB	(AB)
S11a	4016	8-9	1955	Fri	376/00	USB	(AB)
S11a	10800	9-9	1540	Sat	566/39 Vnimanaye ...	USB	(AB)
S11a	10213	9-9	1850	Sat	282/40 Vnimanaye 57498 04212 96683 ... 09957 13104 49073 Vnimanaye, rpt msg, konets	USB	(AB)
S11a	11493	11-9	1015	Mon	476/00	USB	(AB/HFD)
S11a	7840	11-9	1830	Mon	383/00	USB	(AB/HFD)
S11a	10213	13-9	1850	Wed	280/00	USB	(HFD)
S11a	9960	15-9	1020	Fri	425/36 Vnimanaye 24891 32363 86550 ... 27848 80859 32670 Vnimanaye, rpt msg, konets	USB	(AB)
S11a	4016	15-9	1955	Fri	379/00	USB	(AB)
S11a	10800	16-9	1540	Sat	564/00	USB	(AB)
S11a	10213	16-9	1850	Sat	284/00	USB	(AB)
S11a	11493	18-9	1015	Mon	471/31 Vnimanaye 26603 53607 59345 ... 74681 97007 43879 Vnimanaye, rpt msg, konets	USB	(AB)
S11a	7840	18-9	1830	Mon	382/36 Vnimanaye 65450 53484 96092 ... 09687 62798 00059 Vnimanaye, rpt msg, konets	USB	(AB)
S11a	5358	19-9	0455	Tue	325/00	USB	(AB)
S11a	7317	19-9	0915	Tue	483/00	USB	(AB)
S11a	9960	19-9	1020	Tue	426/00	USB	(AB)
S11a	10800	20-9	1540	Wed	563/00	USB	(AB)
S11a	7840	20-9	1830	Wed	382/36 Vnimanaye 65450 53484 96092 ... 09687 62798 00059 Vnimanaye, rpt msg, konets	USB	(AB)
S11a	10213	20-9	1850	Wed	284/00	USB	(AB)
S11a	4016	20-9	1955	Wed	372/00	USB	(AB)
S11a	11493	21-9	1015	Thu	471/31 Vnimanaye 26603 53607 59345 ... 74681 97007 43879 Vnimanaye, rpt msg, konets	USB	(AB)
S11a	5358	22-9	0455	Fri	327/00	USB	(AB/BvR)
S11a	9960	22-9	1020	Fri	426/00	USB	(AB)
S11a	4016	22-9	1955	Fri	376/00	USB	(AB)
S11a	10800	23-9	1540	Sat	567/00	USB	(AB)
S11a	10213	23-9	1850	Sat	280/00	USB	(AB)
S11a	11493	25-9	1015	Mon	479/00	USB	(AB)
S11a	7840	25-9	1830	Mon	381/00	USB	(AB/MPJ)
S11a	5358	26-9	0455	Tue	327/38 Vnimanaye ...	USB	(AB)
S11a	7317	26-9	0915	Tue	482/35 Vnimanaye 02693 14559 32489 ... 92165 01696 20720 Vnimanaye, rpt msg, konets	USB	(AB/MPJ)
S11a	9960	26-9	1020	Tue	424/00	USB	(AB/MPJ)
S11a	10800	27-9	1540	Wed	564/00 Amateur station in the background also reading numbers	USB	(AB/MPJ)
S11a	7840	27-9	1830	Wed	389/00	USB	(MPJ)
S11a	10213	27-9	1850	Wed	285/00	USB	(AB/MPJ)
S11a	4016	27-9	1955	Wed	370/31 Vnimanaye 68310 72101 30550 ... 54656 18875 51244 Vnimanaye, rpt msg, konets	USB	(AB)
S11a	11493	28-9	1015	Thu	478/00	USB	(AB-UKR)
S11a	5358	29-9	0455	Fri	327/38 Vnimanaye ...	USB	(AB)
S11a	7317	29-9	0915	Fri	482/35 Vnimanaye 02693 14559 32489 ... 92165 01696 20720 Vnimanaye, rpt msg, konets	USB	(AB/MPJ)
S11a	9960	29-9	1020	Fri	427/00	USB	(AB/MPJ)
S11a	4016	29-9	1955	Fri	370/31 Vnimanaye 68310 72101 30550 ... 54656 18875 51244 Vnimanaye, rpt msg, konets	USB	(AB)
S11a	10800	30-9	1540	Sat	565/00	USB	(AB/MPJ)
S11a	10213	30-9	1850	Sat	285/00	USB	(AB)
S25	13883	1-8	0230		104 23994 11111 00000	USB	(kalv)
S25	13883	3-8	0230		104 23964 44444 23314 11111 00000	USB	(kalv)
S25	13883	8-8	0230		104 23384 11111 00000	USB	(kalv)
S25	13883	10-8	0230		104 23394 11111 00000	USB	(kalv)
S25	13883	15-8	0230		104 23434 11111 00000	USB	(kalv)
S25	13883	17-8	0230		104 23454 11111 00000	USB	(kalv)
S25	13883	22-8	0230		104 ????? 44444 22444 11111 00000	USB	(kalv)
S25	13883	24-8	0230		104 23434 11111 00000	USB	(kalv)
S28	4625	14-9	0052	Thu	9P5I 4UAD Y9OI 87340 AZOTOSAD 5934 1440	USB	(Priyom)
S28	4625	14-9	0430	Thu	ZhUOZ 9P5I 4UAD Y9OI 32209 53882 74676 97203 GOL'F 3200 7575 BYeSCYeNOK 3695 5287	USB	(Priyom)
S28	4625	14-9	0458	Thu	ZhUOZ 9P5I 4UAD Y9OI 62350 96193 71092 18351 IO- DOSPOR 8188 6397	USB	(Priyom)



<b>S28</b>	4625	14-9	0515	Thu	ZhUOZ 9P5I 4UAD Y9OI KALININ 7887	USB	(Priyom)
<b>S28</b>	4625	14-9	0607	Thu	i.p. 4UAD Y9OI NACHYeRNYeNIYe 0104	USB	(Priyom)
<b>S28</b>	4625	14-9	0634	Thu	ZhUOZ 10044 23013 BINTOPLAV 8053 6867 (repeating 10004 instead of 10044	USB	(Priyom)
<b>S28</b>	4625	14-9	0644	Thu	ZhUOZ 9P5I 4UAD Y9OI NYeISch?TNYJ 1736	USB	(Priyom)
<b>S28</b>	4625	14-9	0647	Thu	ZhUOZ 9P5I 4UAD Y9OI MIMYeTIZM 3645	USB	(Priyom)
<b>S28</b>	4625	14-9	0650	Thu	LNR4 LYeVICHAR 1736	USB	(Priyom)
<b>S28</b>	4625	14-9	0655	Thu	ZhUOZ 9P5I 4UAD Y9OI 33996 KYeBOSHOV 3747 2735	USB	(Priyom)
<b>S28</b>	4625	14-9	0721	Thu	ZhUOZ 6Ye5Ye 5PCB ZKFY 9P5I 48089 14124 59799 94513 BYeZDARNOST' 4621 3901	USB	(Priyom)
<b>S28</b>	4625	14-9	0731	Thu	ZhUOZ 6Ye5Ye 5PCB LNR4 'M4T 80272 35188 77401 18892 BLYeFOSHtUF 9860 2381	USB	(Priyom)
<b>S28</b>	4625	14-9	0737	Thu	ZhUOZ MARONI 9099 LAVOCHNYJ 0908 KASHIKA 3811 LYeTOPISYeC 1543 FAULA 7062	USB	(Priyom)
<b>S28</b>	4625	14-9	0740	Thu	ZhUOZ 6Ye5Ye ZKDY LNR4 ZYeCS LCLA 9P54 28033 19760 05817 15687 20594 82897 DOK 6775 8658	USB	(Priyom)
<b>S28</b>	4625	14-9	0756	Thu	ZhUOZ GIPYeR 3911	USB	(Priyom)
<b>S28</b>	4625	14-9	0806	Thu	ZhUOZ SHINNYJ 9011	USB	(Priyom)
<b>S28</b>	4625	14-9	0826	Thu	ZhUOZ VALYeRON 4859	USB	(Priyom)
<b>S28</b>	4625	14-9	0834	Thu	ZhUOZ SHINNYJ 9011	USB	(Priyom)
<b>S28</b>	4625	14-9	0849	Thu	ZhUOZ NADMOCHKA 5838	USB	(Priyom)
<b>S28</b>	4625	14-9	0852	Thu	ZhUOZ UDAR 3497	USB	(Priyom)
<b>S4020</b>	4020	1-9	1935	Fri	Air Horn channel marker	USB	(AB)
<b>S4524</b>	4524	2-9	1859	Sat	Channel marker	USB	(AB)
<b>S4524</b>	4524	16-9	1900	Sat	Dash channel marker	USB	(AB)
<b>SDN</b>	21000	9-8	1900		MFA Khartoum wkg Sudanese embassy Yemen û voice traffic	USB	(IARUMS)
<b>SDN</b>	21002.2	9-8	1918		MFA Khartoum wkg Sudanese embassy Yemen id's 0000, 9999, 8888	Pactor-1 100/170	(IARUMS)
<b>UM03</b>	9160	21-9	0823	Thu	i.p. QSA NR 09554 NR 09554 CK 50 CK 50 = TRPNY DPINI PWGAC WABWK ...	CW	(JPL-CHN)
<b>UM03</b>	8250	21-9	0840	Thu	i.p. T6U43 D5A7U N6UA3 UD5N6 ... AR 05 05 CK 100 CK 100 TIME 1540 TIME 1540 DATE 2109 DATE 2109 = //8410 kHz	CW	(JPL-CHN)
<b>UM03</b>	8410	21-9	0840	Thu	i.p. T6U43 D5A7U N6UA3 UD5N6 ... AR 05 05 CK 100 CK 100 TIME 1540 TIME 1540 DATE 2109 DATE 2109 = //8250 kHz	CW	(JPL-CHN)
<b>UM03</b>	8250	22-9	0101	Fri	i.p. CQ (x3) DE X2M (x2) VVV (x3) MSG (x2) ENG (x2) 01 01 CK 100 CK 100 TIME 0.0. TIME 0806 DATE 2209 DATE 2209 = //8410 kHz	CW	(JPL-CHN)
<b>UM03</b>	8410	22-9	0101	Fri	i.p. CQ (x3) DE X2M (x2) VVV (x3) MSG (x2) ENG (x2) 01 01 CK 100 CK 100 TIME 0.0. TIME 0806 DATE 2209 DATE 2209 = //8250 kHz	CW	(JPL-CHN)
<b>UM03</b>	6710	22-9	0959	Fri	i.p. WAUZE KPNYO FUYLQ OWSSL (Cont'd) AR AR NR 62128 62128 = = UP.LW .TDPI AKREBP QIGED ESKWO (Cont'd)	CW	(JPL-CHN)
<b>UM03</b>	9251	25-9	0722	Mon	i.p. NHQQP NCM.G PYNMR FMWPY RUY..	CW	(JPL-CHN)
<b>UM03</b>	8250	25-9	0730	Mon	i.p. 11 11 CK 100 CK 100 TIME 1427 TIME 1427 DATE 2509 DATE 2509 = .QSKZ UWLOD MODFV ... AR //8410 kHz	CW	(JPL-CHN)
<b>UM03</b>	8410	25-9	0730	Mon	i.p. 11 11 CK 100 CK 100 TIME 1427 TIME 1427 DATE 2509 DATE 2509 = .QSKZ UWLOD MODFV ... AR //8250 kHz	CW	(JPL-CHN)
<b>UM03</b>	6795	25-9	0742	Mon	i.p. UBAMD GW... ..QT IKRLA FUXM. ..	CW	(JPL-CHN)
<b>UM03</b>	7086	26-9	1020	Tue	i.p. AJBGX IXLXY UTAMQ MLTRH SISTW ... NR 63618 NR 63618 = = //6710 kHz	CW	(JPL-NZL)
<b>UM10</b>	6487	1-9	1000	Fri	10-mins net: CWS4	CW	(JPL-NZL)
<b>UM10</b>	5778	1-9	1005	Fri	10-mins net: ZB7T //6925 kHz	CW	(JPL-NZL)
<b>UM10</b>	6925	1-9	1005	Fri	10-mins net: ZB7T //5778 kHz	CW	(JPL-NZL)
<b>UM10</b>	3542	5-9	1753	Tue	10-minutes net: 5DNA //4116 kHz	CW	(JPL-CHN)
<b>UM10</b>	4116	5-9	1753	Tue	10-minutes net: 5DNA //3542 kHz	CW	(JPL-CHN)
<b>UM10</b>	3869	5-9	1757	Tue	10-minutes net: LH5N	CW	(JPL-CHN)
<b>UM10</b>	3542	5-9	2156	Tue	10-minutes net: 5DNA //4116 kHz	CW	(JPL-CHN)
<b>UM10</b>	4116	5-9	2156	Tue	10-minutes net: 5DNA //3542 kHz	CW	(JPL-CHN)
<b>UM10</b>	3869	5-9	2157	Tue	10-minutes net: LH5N	CW	(JPL-CHN)
<b>UM10</b>	3542	8-9	1856	Fri	10-mins net: HDNA //4116 kHz	CW	(JPL-NZL)
<b>UM10</b>	4116	8-9	1856	Fri	10-mins net: HDNA //3542 kHz	CW	(JPL-NZL)
<b>UM10</b>	3869	9-9	1929	Sat	10-mins net: LH5N	CW	(JPL-CHN)
<b>UM10</b>	3542	11-9	1225	Mon	10-minutes net: HDNA //4116 kHz	CW	(JPL-KOR)

UM10	4116	11-9	1225	Mon	10-minutes net: HDNA //3542 kHz	CW	(JPL-KOR)
UM10	3542	13-9	2026	Wed	10-minutes net: HDNA //4116 kHz	CW	(JPL-CHN)
UM10	4116	13-9	2026	Wed	10-minutes net: HDNA //3542 kHz	CW	(JPL-CHN)
UM10	3869	18-9	1928	Mon	10-minutes net: LH5N	CW	(JPL-CHN)
UM10	3542	25-9	2054	Mon	10-minutes net: HDNA //4116 kHz	CW	(JPL-CHN)
UM10	3869	25-9	2054	Mon	10-minutes net: LH5N	CW	(JPL-CHN)
UM10	4116	25-9	2054	Mon	10-minutes net: HDNA //3542 kHz	CW	(JPL-CHN)
UM10	6790	27-9	0522	Wed	10-minutes net: JATD	CW	(JPL-KOR)
UM10	4116	30-9	1526	Sat	10-mins net: HDNA	CW	(JPL-CHN)
V07	16137	24-9	0100	Sun	164 164 164 000	USB	(Dan)
V07	14637	24-9	0120	Sun	164 164 164 000	USB	(Dan)
V07	10755	28-9	0854	Thu	975 975 975 00000	USB	(AnEur)
V13	15388	8-9	0500	Fri	New Star Broadcasting	AM	(AB-CHN)
V13	15388	9-9	0500	Sat	New Star Broadcasting	AM	(AB-CHN)
V13	15388	11-9	0500	Mon	New Star Broadcasting	AM	(AB-CHN)
V13	11430	16-9	0610	Sat	New Star Broadcasting	AM	(SHA)
V13	11430	20-9	0600	Wed	New Star Broadcasting	AM	(AB-CHN)
V13	15388	21-9	0500	Thu	New Star Broadcasting	AM	(AB-CHN)
V13	15388	22-9	0500	Fri	New Star Broadcasting	AM	(AB-CHN)
V13	11430	23-9	0500	Sat	New Star Broadcasting	AM	(AB-CHN)
V13	18040	26-9	0500	Tue	New Star Broadcasting	AM	(AB-CHN)
V13	16134	26-9	0600	Tue	New Star Broadcasting	AM	(AB-CHN)
V13	16134	26-9	0611	Tue	New Star Broadcasting	AM	(Phi-CHN)
V13	11430	26-9	0700	Tue	New Star Broadcasting	AM	(AB-CHN)
V13	16134	28-9	0600	Thu	New Star Broadcasting	AM	(AB-CHN)
V13	11430	28-9	0700	Thu	New Star Broadcasting	AM	(AB-CHN)
V15	3250	23-9	1515	Sat	North Korean intel via Radio Pyongyang. Music followed by messages in Korean //3320//6400 kHz	AM	(AB-KOR)
V15	3320	23-9	1515	Sat	North Korean intel via Radio Pyongyang. Music followed by messages in Korean //3250//6400 kHz	AM	(AB-KOR/CM2-CHN)
V15	6400	23-9	1515	Sat	North Korean intel via Radio Pyongyang. Music followed by messages in Korean //3250//3320 kHz	AM	(AB-KOR)
V15	657	28-9	1615	Thu	North Korean Intel via Radio Pyongyang. Music followed by a message in Korean on 657, 3250, 3320, 6400 kHz	AM	(AB-J)
V15	3250	28-9	1615	Thu	North Korean Intel via Radio Pyongyang. Music followed by a message in Korean on 657, 3250, 3320, 6400 kHz	AM	(AB-J)
V15	3320	28-9	1615	Thu	North Korean Intel via Radio Pyongyang. Music followed by a message in Korean on 657, 3250, 3320, 6400 kHz	AM	(AB-J)
V15	6400	28-9	1615	Thu	North Korean Intel via Radio Pyongyang. Music followed by a message in Korean on 657, 3250, 3320, 6400 kHz	AM	(AB-J)
V24	5290	5-9	1430	Tue	Pop song followed by a message in Korean	AM	(AB-J)
V24	6215	5-9	1511	Tue	Vn YL 5f 1512 c/d	AM	(HFD)
V24	6215	9-9	1500	Sat	Music followed by a message in Korean	AM	(AB-J)
V24	5715	19-9	1500	Tue	Music followed by a message in Korean	AM	(AB-KOR)
V24	4900	23-9	1530	Sat	South Korean intel. Music followed by a message in Korean	AM	(AB-KOR)
V24	5715	26-9	1500	Tue	Music followed by a message in Korean	AM	(AB-KOR)
V26	4243	1-9	1205	Fri	Messages in Chinese. Female operator //9054 kHz	USB	(JPL-NZL)
V26	9054	1-9	1205	Fri	Messages in Chinese. Female operator //4243 kHz	USB	(JPL-NZL)
V26	8073	6-9	1130	Wed	Callup in Chinese	USB	(JPL-KOR)
V26	4243	6-9	1146	Wed	Messages in Chinese //9054 kHz	USB	(JPL-KOR)
V26	9054	6-9	1146	Wed	Messages in Chinese //4243 kHz	USB	(JPL-KOR)
V26	8073	6-9	1157	Wed	Messages in Chinese	USB	(JPL-KOR)
V26	4364	7-9	1130	Thu	Callup in Chinese //8073 kHz	USB	(JPL-KOR)
V26	8073	7-9	1130	Thu	Callup in Chinese //4364 kHz	USB	(JPL-KOR)
V26	4243	7-9	1212	Thu	Messages in Chinese //9054 kHz	USB	(JPL-KOR)
V26	9054	7-9	1212	Thu	Messages in Chinese //4243 kHz	USB	(JPL-KOR)
V26	4364	9-9	1130	Sat	Callup in Chinese //8073 kHz	USB	(JPL-CHN)
V26	8073	9-9	1130	Sat	Callup in Chinese //4364 kHz	USB	(JPL-CHN)
V26	4243	9-9	1140	Sat	Callup in Chinese //9054 kHz	USB	(JPL-CHN)
V26	9054	9-9	1140	Sat	Callup in Chinese //4243 kHz	USB	(JPL-CHN)
V26	4243	9-9	1202	Sat	Messages in Chinese //9054 kHz	USB	(JPL-CHN)
V26	9054	9-9	1202	Sat	Messages in Chinese //4243 kHz	USB	(JPL-CHN)
V26	4243	14-9	1214	Thu	Messages in Chinese //9054 kHz	USB	(JPL-CHN)
V26	9054	14-9	1214	Thu	Messages in Chinese //4243 kHz	USB	(JPL-CHN)
V26	4243	19-9	1216	Tue	Messages in Chinese. Female operator	USB	(JPL-CHN)
V26	4243	19-9	1555	Tue	Message in Chinese. Female operator	USB	(JPL-CHN)

V26	4243	28-9	1214	Thu	Messages in Chinese //9054 kHz	USB	(JPL-CHN)
V26	9054	28-9	1214	Thu	Messages in Chinese //4243 kHz	USB	(JPL-CHN)
V28	5005	3-9	2140	Sun	Parrot: female operator reading messages	AM	(kalv)
V28	5030	9-9	2135	Sat	Parrot: female operator reading messages	AM	(kalv)
V28	5038	13-9	2129	Wed	Parrot: female operator reading messages	AM	(kalv)
VC01	7691	26-9	1210	Tue	Chinese Robot i.p.	USB	(AB-CHN)
VC01	4770	26-9	1258	Tue	Chinese Robot i.p.	LSB	(AB-HK)
VC01	5375	26-9	1258	Tue	Chinese Robot i.p.	USB	(AB-HK)
VC01	4770	29-9	1211	Fri	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	5375	29-9	1211	Fri	Chinese Robot i.p.	USB	(AB-CHN)
X06	14812	6-9	0944	Wed	Mazielka. Sequence: 263145	MFSK-6	(tING)
X06	12109	25-9	0840	Mon	Mazielka. Sequence: 431625	MFSK-6	(ES)
X06	7988	28-9	0739	Thu	Mazielka. Sequence: 561243	MFSK-6	(Danix)
X06	13843	28-9	0821	Thu	Mazielka. Sequence: 153624	MFSK-6	(Danix)
X06b	10359	6-9	0523	Wed	Mazielka. Sequence: 1--6--	MFSK-6	(AB)
X06b	12340	7-9	1235	Thu	Mazielka. Sequence: 1--6--	MFSK-6	(AAI)
X06b	12340	7-9	1249	Thu	Mazielka. Sequence: 1-616-	MFSK-6	(AAI)
X06b	14340	8-9	1124	Fri	Mazielka. Sequence: 1--6--	X06b	(MCO)
X06b	14340	8-9	1128	Fri	Mazielka. Sequence: 1--6--	X06b	(MCO)
X06b	16340	8-9	1313	Fri	Mazielka. Sequence: 1--6--	MFSK-6	(tING)
X06b	14538	17-9	1733	Sun	Mazielka. Sequence: 1--6--	MFSK-6	(Dan)
X06b	14538	17-9	1736	Sun	Mazielka. Sequence: 1--6--	MFSK-6	(Dan)
X06b	10627	20-9	1558	Wed	Mazielka. Sequence: 1--6--	MFSK-6	(AAI)
X06b	14538	24-9	1711	Sun	Mazielka. Sequence: 1--6-- before XPA2	MFSK-6	(Dan)
X06b	12153	25-9	0727	Mon	Mazielka. Sequence: 1--6--	MFSK-6	(AB)
X06b	12153	25-9	0732	Mon	Mazielka. Sequence: 1--6--	MFSK-6	(AB)
X06b	10320	28-9	1005	Thu	Mazielka. Sequence: 1--6-- ends at 1136z and restarts at 1149z	MFSK-6	(AB)
X06b	10320	28-9	1149	Thu	Mazielka. Sequence: 1--6-- ends at 1158z	MFSK-6	(AB)
X06b	10320	28-9	1201	Thu	Mazielka. Sequence: 1--6-- faded out at 1258z	MFSK-6	(AB)
XPA	10359	4-9	0600	Mon	355 355 355 000 05931 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	11559	4-9	0620	Mon	355 355 355 000 05931 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	13559	4-9	0640	Mon	355 355 355 000 05931 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	10359	6-9	0600	Wed	355 355 355 000 06727 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	11559	6-9	0620	Wed	355 355 355 000 06727 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	13559	6-9	0640	Wed	355 355 355 000 06727 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	10359	11-9	0600	Mon	355 355 355 000 04573 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	11559	11-9	0620	Mon	355 355 355 000 04573 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	13559	11-9	0640	Mon	355 355 355 000 04573 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	10359	13-9	0600	Wed	355 355 355 000 09693 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	11559	13-9	0620	Wed	355 355 355 000 09693 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	13559	13-9	0640	Wed	355 355 355 000 09693 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	10359	18-9	0600	Mon	355 355 355 1 355 355 355 1 355 355 355 1 01857 00109 37242 ... 05845 87083 05772	MFSK-20/10Bd	(AB)
XPA	11559	18-9	0620	Mon	355 355 355 1 355 355 355 1 355 355 355 1 01857 00109 37242 ... 05845 87083 05772	MFSK-20/10Bd	(AB)
XPA	13559	18-9	0640	Mon	355 355 355 1 355 355 355 1 355 355 355 1 01857 00109 37242 ... 05845 87083 05772	MFSK-20/10Bd	(AB)
XPA	10359	20-9	0600	Wed	355 355 355 1 355 355 355 1 355 355 355 1 01857 00109 37242 ... 05845 87083 05772	MFSK-20/10Bd	(AB/HFD)
XPA	11559	20-9	0620	Wed	355 355 355 1 355 355 355 1 355 355 355 1 01857 00109 37242 ... 05845 87083 05772	MFSK-20/10Bd	(AB/HFD)
XPA	13559	20-9	0640	Wed	355 355 355 1 355 355 355 1 355 355 355 1 01857 00109 37242 ... 05845 87083 05772	MFSK-20/10Bd	(AB/HFD)
XPA	10359	25-9	0600	Mon	355 355 355 000 07455 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	11559	25-9	0620	Mon	355 355 355 000 07455 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	13559	25-9	0640	Mon	355 355 355 000 07455 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	10359	27-9	0600	Wed	355 355 355 000 02264 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	11559	27-9	0620	Wed	355 355 355 000 02264 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	13559	27-9	0640	Wed	355 355 355 000 02264 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA2	17429	1-9	0700	Fri	00704 00141 39787 ... 13646 93998 32711	MFSK-16/20Bd	(AB/HFD)
XPA2	18629	1-9	0720	Fri	00704 00141 39787 ... 13646 93998 32711	MFSK-16/20Bd	(AB/HFD)
XPA2	20129	1-9	0740	Fri	00704 00141 39787 ... 13646 93998 32711	MFSK-16/20Bd	(AB/HFD)
XPA2	16167	1-9	1900	Fri	09279 00125 21952 ... 4 60704 67772 40042	MFSK-16/20Bd	(AB/MPJ)
XPA2	14663	1-9	1920	Fri	09279 00125 21952 ... 4 60704 67772 40042	MFSK-16/20Bd	(AB/MPJ)
XPA2	13923	1-9	1940	Fri	09279 00125 21952 ... 4 60704 67772 40042	MFSK-16/20Bd	(AB/MPJ)
XPA2	16167	2-9	1900	Sat	09279 00125 21952 ... 60704 67772 40042	MFSK-16/20Bd	(AB/MPJ/H)



[illegible]

<b>XPA2</b>	18629	29-9	0720	Fri	03265 00001 00000 10140	MFSK-16/20Bd	(AB-RUS)
<b>XPA2</b>	20129	29-9	0740	Fri	03265 00001 00000 10140	MFSK-16/20Bd	(AB-RUS)
<b>XPA2</b>	16167	29-9	1900	Fri	06552 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	14663	29-9	1920	Fri	06552 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	13923	29-9	1940	Fri	06552 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	16167	30-9	1900	Sat	07052 00001 00000 10140	MFSK-16/20Bd	(AB/RL)
<b>XPA2</b>	14663	30-9	1920	Sat	07052 00001 00000 10140	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13923	30-9	1940	Sat	07052 00001 00000 10140	MFSK-16/20Bd	(AB/RL)

## CONTRIBUTORS

AAI	Antonio Anselmi, Italy	GNL	Graham, Canada
AB	Ary Boender, Netherlands	Grz	Grzesiu_is_bae123
AB-CHN	Ary Boender via remote rx China	HFD	Hans-Friedrich Dumrese, Germany
AB-G	Ary Boender via remote rx UK	HFD-HK	Hans-Friedrich Dumrese via remote rx Hong Kong
AB-GRC	Ary Boender via remote rx Greece	HFD-J	Hans-Friedrich Dumrese via remote rx Japan
AB-HK	Ary Boender via remote rx Hong Kong	HFD-KOR	Hans-Friedrich Dumrese via remote rx S. Korea
AB-HNG	Ary Boender via remote rx Hungary	HFD-UKR	Hans-Friedrich Dumrese via remote rx Ukraine
AB-J	Ary Boender via remote rx Japan	HFD-USA	Hans-Friedrich Dumrese via remote rx USA
AB-KOR	Ary Boender via remote rx South Korea	IARUMS	IARU Monitoring Service
AB-OMA	Ary Boender via remote rx Oman	JPL	JPL, Ontario, Canada (and various remotes)
AB-PHL	Ary Boender via remote rx Philippines	JPL-CHN	JPL via remote rx China
AB-POL	Ary Boender via remote rx Poland	JPL-KOR	JPL via remote rx South Korea
AB-RUS	Ary Boender via remote rx Russia	JPL-NZL	JPL via remote rx New Zealand
AB-S	Ary Boender via remote rx Sweden	JPL-Sib	JPL via remote rx Siberia
AB-Sib	Ary Boender via remote rx Siberia	Kalv	Kalvados
AB-UKR	Ary Boender via remote rx Ukraine	MCO	Mike Chace-Ortiz, PA, USA
AB-USA	Ary Boender via remote rx USA	MDK2	MDK2, USA
AnEur	Anonymous Europe	MPJ	Jim, SW England
BvR	Bert van Rij, Netherlands	MPJ-RUS	Jim via remote rx Russia
CM2-CHN	Chris Malboef via remote rx China	Phi	Philby
Dan	Daniel, Argentina	Phi-CHN	Philby via remote rx China
Danix	Danix111, Poland	Priyom	Priyom.org
Danix-CHN	Danix via remote rx China	PY	Pierre Ynard, France
Danix-J	Danix via remote rx Japan	RL	Landolpho, Brazil
Danix-KOR	Danix via remote rx S. Korea	RL-HOL	Landolpho via remote rx Netherlands
Danix-OMA	Danix via remote rx Oman	RP2	Ronny Peeters, Belgium
Danix-RUS	Danix via remote rx Russia	RP-MD	Ron, MD, USA
Danix-USA	Danix via remote rx USA	Sha	shadypyro
DSch	Don Schimmel, WV, USA	SP1	Sylvain, France
ES	Edward Smith, UK	tING	Thomas, Central Europe
EW	Eddy Waters, Australia	Tom	Tom, Lincs, UK
GFD	Global Frequency Database	Topol	Tony, UK
GHn	Gary Hagermann, UK	WP3	Wolfgang Palmberger

All information in this newsletter was submitted by independent radio monitors or has been obtained from public available sources and public sites on the web. Wherever data was obtained via the web or elsewhere, references and/or links to these sources have been noted.

Google Earth images: Copyright © Google

Portions of this newsletter may be used in electronic or printed hobby bulletins without prior approval so long as "Numbers & Oddities" is credited as the source. This newsletter may NOT be utilized, partly or wholly, in any other COMMERCIAL media format without the written permission of the Editor. Any breach of this may result in action under international copyright legislation.

**Relevant mailing lists and websites:**

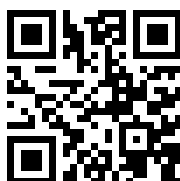
**NUMBERS & ODDITIES** <http://www.numbersoddities.nl>  
**SPY NUMBERS ONLINE DATABASE** <http://www.spynumbers.com/numbersDB>  
**UDXF - UTILITY DXERS FORUM** <http://www.udxf.nl>  
**HF UNDERGROUND** <http://www.hfunderground.com/board/>  
**PRIYOM** <http://priyom.org/>

To become an UDXF member go to <https://groups.io/g/UDXF> and follow the instructions.

To become a Spooks member go to <http://mailman.qth.net/mailman/listinfo/spooks> fill in the form and follow the instructions that will be mailed to you.

118 07804 92636 89428 43286 10385 18878 12248 31271 31  
46 40932 76987 20129 49817 26385 81287 65481 87264 31  
121 75654 55656 12737 72727 72727 91918 63473 67867 76  
123 87629 37677 32652 53498 71296 28756 18276 98716 81  
1269 78320 74698 78857 98678 27881 58781 57681 73648 1  
81 87388 87385 96710 27830 12673 86769 28743 98127 1  
1 83298 75688 27465 87226 49876 28376 81273 98615 1  
47 87432 74328 78676 29867 32867 67867 86786 83286 87  
37 68768 68768 38238 38238 68768 62362 88272 88768 22  
10 98432 32432 86743 43286 43286 43286 43286 43286 43  
160 85743 86743 29867 32867 86743 43286 43286 43286 86  
170 85743 86743 86743 86743 86743 86743 86743 86743 47  
180 98798 98754 98754 98754 98754 29867 67543 67543 86  
188 87698 68876 87698 49876 37612 12345 34867 86798 86  
190 83298 65656 44764 56723 32163 14321 32143 14321 371  
195 57767 18080 58765 70587 68765 76587 58765 76587

N&O



UDXF

